

Table S1. Proteomic LC-MS/MS results of rat hepatocytes-derived exosomes.

Entry Name ^a	Protein Name ^a	Score ^b	#Pept. ^b	n ^c	Previously identified ^d	Reference ^d
Secreted proteins						
ALBU_RAT	Serum albumin precursor	124	4	1	YES	1,3,5,9,10,11,12,13
APOA5_RAT	Apolipoprotein A-V precursor / Apo-A5	131	3	1	NO	
APOE_RAT	Apolipoprotein E precursor / Apo-E	2079	19	2	YES	9,15
PON3_RAT	Serum paraoxonase / lactonase 3	75	2	2	NO	
PON1_RAT	Serum paraoxonase / arylesterase 1	73	6	2	NO	
FINC_RAT	Fibronectin precursor	32	6	1	YES	1,4,11,13,14
FIBB_RAT	Fibrinogen beta chain precursor	91	3	1	YES	10
CO4_RAT	Complement C4 precursor	67	2	1	YES	10
THRB_RAT	Prothrombin	964	8	4	YES	13
HBA_RAT	Hemoglobin subunit alpha-1/2	59	3	1	YES	3,9
CLUS_RAT	Clusterin	1214	10	1	YES	1
PIGR_RAT	Polymeric-Ig receptor precursor	148	2	1	YES	1
KNG1_RAT	Kininogen-1 precursor	61	8	1	YES	1
PDZD2_RAT	PDZ domain-containing protein 2	105	7	1	NO	
DPP4_RAT	Dipeptidyl peptidase 4 / CD26	181	4	1	YES	1,2,12
Transmembrane Proteins						
CD82_RAT	CD82 antigen	102	2	1	YES	4
LAMP1_RAT	Lysosome-assoc. membr. glycoprotein 1	138	2	1	YES	1,15
4F2_RAT	4F2 cell-surface antigen heavy chain	74	2	1	NO	
SDC4_RAT	Syndecan-4 precursor	261	1	1	NO	
PGRC1_RAT	Membr-associated progesterone recept. 1	110	3	2	YES	15
ABCBB_RAT	Bile salt export pump	47	4	1	NO	
REEP6_RAT	Receptor expression-enhancing protein 6	82	1	2	NO	
MOT1_RAT	Monocarboxylate transporter 1	167	1	1	NO	
GTR1_RAT	Solute carrier family 2, glucose transp. 1	56	3	1	NO	
GTR2_RAT	Solute carrier family 2, glucose transp. 2	48	2	1	NO	
NTCP_RAT	Sodium/bile acid cotransporter	202	1	2	NO	
AT1A1_RAT	Na/K-transporting ATPase 1 alpha-1	191	10	2	YES	7,9,15
SO1A4_RAT	Solute carrier organic anion transp. 1A4	71	4	1	NO	
SO1A3_RAT	Solute carrier organic anion transp. 1A3	71	2	1	NO	
BASI_RAT	Basigin precursor / CD147 antigen	54	2	1	NO	
ASGR1_RAT	Asialoglycoprotein receptor 1	61	2	1	NO	
Cytoskeleton-related proteins						
TBA2_RAT	Tubulin alpha-2 chain	976	12	2	YES	5,9,13
TBA3_RAT	Tubulin alpha-3 chain	200	5	1	NO	
TBA6_RAT	Tubulin alpha-6 chain	905	11	2	YES	5
TBB2A_RAT	Tubulin beta-2A chain	980	14	1	YES	15
TBB2C_RAT	Tubulin beta-2C chain	991	14	2	NO	
TBB3_RAT	Tubulin beta-3 chain	403	8	2	YES	5,9
TBB5_RAT	Tubulin beta-5 chain	900	15	2	YES	2,3,5,9,13
ACTB_RAT	Actin, cytoplasmic 2	2278	13	1	YES	1,5,6,7,8,9,10,11,13,14,15
ARP2_RAT	Actin-like protein 2	40	3	1	YES	2,5,15
ACTN1_RAT	Alpha-actinin-1	174	5	1	NO	
MYH9_RAT	Myosin-9	377	6	2	YES	1,2,6,14,15
MYH11_RAT	Myosin-11	196	8	2	NO	
MOES_RAT	Moesin	174	8	1	YES	1,2,4,5,6,7,9,11,14

EZRI_RAT	Ezrin	50	5	1	YES	1,2,9,11,12,14
COF1_RAT	Cofilin-1	84	1	1	YES	1,2,3,5,6,9
DYHC_RAT	Dynein heavy chain, cytosolic	88	1	2	YES	13
TSC2_RAT	Tuberin	33	1	1	NO	
Small GTPases						
RHOA_RAT	Rho-related GTP-binding protein RhoA	57	1	1	NO	
RAB1A_RAT	Ras-related protein Rab-1A	157	4	1	YES	1,5,15
RAB1B_RAT	Ras-related protein Rab-1B	134	4	1	YES	1
RAB2A_RAT	Ras-related protein Rab-2A	59	1	1	YES	1,2,4,15
RAB3A_RAT	Ras-related protein Rab-3A	82	2	1	NO	
RAB7_RAT	Ras-related protein Rab-7	44	3	1	YES	1,2,3,4,5,15
RB11A_RAT	Ras-related protein Rab-11A	104	3	1	YES	1,5
RAB12_RAT	Ras-related protein Rab-12	80	2	1	YES	9
RAB13_RAT	Ras-related protein Rab-13	48	2	1	YES	1,2
RAB14_RAT	Ras-related protein Rab-14	83	3	1	YES	1,2,15
RAB35_RAT	Ras-related protein Rab-35	111	3	1	YES	1
RAB43_RAT	Ras-related protein Rab-43	80	1	1	NO	
RAP1B_RAT	Ras-related protein Rap-1b precursor	350	6	1	YES	1,3,9
RAB3D_RAT	GTP-binding protein Rab-3D	80	2	1	NO	
ARF1_RAT	ADP-ribosylation factor 1	99	4	1	YES	1,15
ARF3_RAT	ADP-ribosylation factor 3	99	4	1	YES	1,5,15
RASN_RAT	GTPase NRas precursor	102	2	1	NO	
RASH_RAT	GTPase HRas precursor	102	2	1	YES	1,2
Signal transduction						
GBLP_RAT	Guanine nucleotide-binding prot beta 2L1	162	7	2	YES	9
GBB4_RAT	Guanine nucleotide-binding protein beta 4	59	2	1	NO	
GBB2_RAT	Guan. nucleo.-binding G(I)/G(S)/G(T) β 2	59	3	1	YES	1,15
GNAS1_RAT	Guanine nucleotide-binding G(s) α Xlas	72	5	1	YES	1,2,5
GNAI2_RAT	Guanine nucleotide-binding G(i), α -2	192	4	1	YES	1,2,3,5,7,9,15
GNAI2_RAT	Guanine nucleotide-binding α -12	72	3	1	NO	
GNAO1_RAT	Guanine nucleotide-binding G(o) α 1	72	1	1	NO	
1433B_RAT	14-3-3 protein beta/alpha	36	6	1	YES	1,2,6,9,13,14
1433E_RAT	14-3-3 protein epsilon	44	5	1	YES	1,5,6,9
1433G_RAT	14-3-3 protein gamma	125	7	1	YES	1,2,3,5,9
1433Z_RAT	14-3-3 protein zeta/delta	455	8	1	YES	1,2,3,4,5,6,9,15
SND1_RAT	Staphylococ. nuclease domain containing	234	7	1	NO	
RGN_RAT	Regucalcin	179	3	1	NO	
MVP_RAT	Major vault protein	2769	24	2	YES	2,13
PHB2_RAT	Prohibitin-2	58	3	1	NO	
IRS1_RAT	Insulin receptor substrate 1	67	3	1	NO	
CALM_RAT	Calmodulin	122	2	1	NO	
Adhesion, Membrane transport and fusion						
MFGM_RAT	Lactadherin/Milk fat globule-EGF fact. 8	443	9	1	YES	2,3,4,5,13
ANXA2_RAT	Annexin A2	127	6	1	YES	1,2,3,4,5,11,12,13,14,15
ANXA4_RAT	Annexin A4	150	5	1	YES	1,2,3,4,5,15
ANXA5_RAT	Annexin A5	188	6	1	YES	1,2,3,4,5,11,13,15
ANXA6_RAT	Annexin A6	219	10	1	YES	1,2,5,8,11,14
CLH_RAT	Clathrin heavy chain	4466	48	3	YES	2,4,6,7,13,15
CLCA_RAT	Clathrin light chain A (Lca)	30	2	1	NO	
COPB_RAT	Coatomer subunit beta	128	2	1	YES	15
COPB2_RAT	Coatomer subunit beta'	194	4	2	YES	15

YIPF5_RAT	Protein YIPF5	36	1	1	NO	
TMEDA_RAT	Transm. emp24 domain-containing p. 10	97	3	1	NO	
TMED2_RAT	Transm. emp24 domain-containing prot. 2	67	1	1	YES	15
LMAN1_RAT	ERGIC-53 protein precursor	186	2	1	NO	
PDC6I_RAT	AIP1/Alix	81	3	1	YES	1,2,3,5,6,9
CEAM1_RAT	Carcinoembryonic Ag-related cell adhes.1	111	3	1	NO	
MPRD_RAT	Cation-dependent Man.-6- phosph. recept.	70	2	1	YES	15
SSRG_RAT	Translocon-associated protein sub. γ	84	1	1	NO	
TERA_RAT	Transitional endoplasm. reticul. ATPase	115	6	2	YES	5,9
Protein synthesis and post-traductional modifications						
RSSA_RAT	40S ribosomal protein SA	381	3	4	YES	9,13
RS3_RAT	40S ribosomal protein S3	126	6	2	YES	5,9
RS4X_RAT	40S ribosomal protein S4, X isoform	31	3	1	YES	9
RS6_RAT	40S ribosomal protein S6	41	3	2	YES	8,9
RLA2_RAT	60S acidic ribosomal protein P2	196	3	1	NO	
RL6_RAT	60S ribosomal protein L6	57	5	1	YES	2
RL7_RAT	60S ribosomal protein L7	173	2	2	YES	13
RL11_RAT	60S ribosomal protein L11	58	3	1	NO	
EF1A1_RAT	Elongation factor 1-alpha 1	189	5	1	YES	1,2,3,5,6,7,9,13
EF1A2_RAT	Elongation factor 1-alpha 2	122	5	2	YES	9
EF2_RAT	Elongation factor 2	170	9	1	YES	2,6,9,13
SYV_RAT	Valyl-tRNA synthetase	123	2	1	NO	
SYTC_RAT	Threonyl-tRNA synthetase, cytoplasmic	58	2	1	NO	
RIB1_RAT	Dolic.-DPoligosaccharide glycos. 67 kDa	40	1	1	NO	
GLCNE_RAT	UDP-GlcNAc-2-epimerase	131	4	1	NO	
Protein Folding						
HS70L_RAT	Heat shock 70 kDa protein 1L	854	8	2	NO	
HSP71_RAT	Heat shock 70 kDa protein 1A/1B	807	9	2	YES	1,4,13,14
TRAP1_RAT	Heat shock protein 75 kDa, mitochondrial	184	1	4	YES	4,9,13
HSP7C_RAT	Heat shock cognate 71 kDa prot. / Hsc73	1239	13	2	YES	1,3,5,6,11,12
GRP78_RAT	78 kDa glucose-regulated protein	1119	16	2	YES	1,7
HS90A_RAT	Heat shock protein HSP 90-alpha / Hsp86	386	9	3	YES	1,4,6,7,9,11,14
HS90B_RAT	Heat shock protein HSP 90-beta / Hsp84	480	11	4	YES	1,3,4,5,9,11,13
TCPA_RAT	T-complex protein 1 subunit alpha	159	8	1	YES	9
TCPB_RAT	T-complex protein 1 subunit beta	164	5	2	YES	2,9,13
TCPD_RAT	T-complex protein 1 subunit delta	132	2	2	YES	2,9
TCPE_RAT	T-complex protein 1 subunit epsilon	81	5	1	YES	2,13
TCPG_RAT	T-complex protein 1 subunit gamma	188	6	2	YES	9,13
CALX_RAT	Calnexin precursor	74	3	2	NO	
PDIA1_RAT	Protein disulfide-isomerase precursor	439	8	1	YES	1,9
PDIA3_RAT	Protein disulfide-isomerase A3 precursor	453	13	2	YES	9
PDIA4_RAT	Protein disulfide-isomerase A4 precursor	103	6	1	NO	
PDIA6_RAT	Protein disulfide-isomerase A6 precursor	201	5	1	NO	
CALR_RAT	Calregulin / Calreticulin precursor	85	4	1	YES	1
Processing and degradation Protein						
AMPN_RAT	Aminopeptidase N / CD13	171	4	2	YES	1,2,6,8,15
MEP1A_RAT	Meprin A sub α / Endopeptidase-2	51	4	1	NO	
PRS6A_RAT	26S protease regulatory subunit 6A	52	1	1	YES	9
UBIQ_RAT	Ubiquitin	1186	4	2	YES	1,6,9,15
CAND1_RAT	Cullin-associated NEDD8-dissociated p. 1	123	2	1	NO	

Lipid Metabolism						
ACLY_RAT	ATP-citrate synthase	1608	15	2	YES	1,9
FAS_RAT	Fatty acid synthase	4712	45	3	YES	2,13
ACADL_RAT	Long-chain specific acyl-CoA dehydrog.	76	3	2	NO	
ACSL1_RAT	Long-chain-fatty-acid-CoA ligase 1	196	8	3	NO	
ACSL5_RAT	Long-chain-fatty-acid-CoA ligase 5	49	6	1	NO	
ACSL6_RAT	Long-chain-fatty-acid-CoA ligase 6	63	1	3	NO	
ECHP_RAT	Peroxisomal bifunctional enzyme	163	2	2	NO	
ACOX2_RAT	Acyl-coenzyme A oxidase 2, peroxisomal	60	1	2	NO	
LPP60_RAT	60 kDa lysophospholipase	53	1	1	NO	
THIM_RAT	3-ketoacyl-CoA thiolase, mitochondrial	51	1	1	NO	
COA1_RAT	Acetyl-CoA carboxylase 1	388	8	1	NO	
HMCS2_RAT	Hydroxymethylglutaryl-CoA synthase	191	2	3	NO	
MET7B_RAT	Methyltransferase-like protein 7B	72	1	1	NO	
Carbohydrate and Amino-acid Metabolism						
ENOA_RAT	Alpha-enolase	124	4	1	YES	1,4,5,6,7,11,12,13,14
F16P1_RAT	Fructose-1,6-bisphosphatase 1	150	2	3	NO	
ALDOA_RAT	Fructose-bisphosphate aldolase A	81	3	1	YES	1,7,9
ALDOB_RAT	Fructose-bisphosphate aldolase B	446	6	2	YES	1
G3P_RAT	GAPDH	883	8	4	YES	1,2,5,6,7,9,11,13
PPCKC_RAT	Phosphoenolpyruvate carboxykinase, cyt.	334	7	1	NO	
KPYR_RAT	Pyruvate kinase isozymes R/L	1356	17	3	YES	9
PYC_RAT	Pyruvate carboxylase, mitochondrial	99	4	1	YES	13
PGK1_RAT	Phosphoglycerate kinase 1	30	3	1	YES	1,2,5,6,9,13
GCKR_RAT	Glucokinase regulatory protein	69	3	1	NO	
GLPK_RAT	Glycerol kinase	92	3	1	NO	
AL7A1_RAT	Aldehyde dehydrogenase family 7-A1	35	1	1	NO	
AL9A1_RAT	4-trimethylaminobutyraldehyde dehydrog.	853	15	4	NO	
AL3A2_RAT	Fatty aldehyde dehydrogenase	208	4	2	NO	
AL1B1_RAT	Aldehyde dehydrogenase X	66	1	1	NO	
ALDH2_RAT	Aldehyde dehydrogenase, mitochondrial	83	3	1	NO	
LDHA_RAT	L-lactate dehydrogenase A chain	84	3	1	YES	1,5
DHSA_RAT	Succinate dehydro [ubiquinone] flavoprot	90	1	1	NO	
XYLB_RAT	Xylulose kinase	132	2	1	NO	
MDHC_RAT	Malate dehydrogenase, cytoplasmic	63	3	1	YES	1,13
MMSA_RAT	Methylmalonate-semialdehyde dehydrog.	56	2	1	NO	
UGDH_RAT	UDP-glucose 6-dehydrogenase	425	9	1	NO	
CGL_RAT	Cystathionine gamma-lyase	592	8	3	NO	
ADK_RAT	Adenosine kinase	48	1	1	NO	
SARDH_RAT	Sarcosine dehydrogenase, mitochondrial	75	1	1	NO	
C1TC_RAT	C-1-tetrahydrofolate synthase, cytop.	865	15	3	NO	
FTHFD_RAT	10-formyltetrahydrofolate dehydrogenase	1356	18	4	NO	
FTCD_RAT	Formimidoyltransferase-cyclodeaminase	1060	16	2	NO	
CBS_RAT	Cystathionine beta-synthase	99	3	1	NO	
SAHH_RAT	Adenosylhomocysteinase	62	3	3	YES	5
BHMT1_RAT	Betaine--homocysteine S-methyltransfer 1	286	4	2	YES	1
BHMT2_RAT	Betaine--homocysteine S-methyltransfer 2	210	2	1	NO	
CSAD_RAT	Cysteine sulfinic acid decarboxylase	412	7	3	NO	
ARGI1_RAT	Arginase-1	502	3	2	NO	
ASSY_RAT	Argininosuccinate synthase	182	9	4	YES	1
ARLY_RAT	Argininosuccinate lyase	190	6	2	NO	

CPSM_RAT	Carbamoyl-phosphate synthase	4205	44	4	NO	
PH4H_RAT	Phenylalanine-4-hydroxylase	34	2	1	NO	
Energy Metabolism						
ATPA_RAT	ATP synthase subunit alpha, mito.	38	6	1	YES	13
ATPB_RAT	ATP synthase subunit beta, mito.	329	5	3	NO	
COX41_RAT	Cytochrome c oxidase subunit 4-1, mito.	32	1	1	NO	
CYB5_RAT	Cytochrome b5	979	4	2	NO	
ETFA_RAT	Electron transfer flavoprotein subunit α	59	3	1	NO	
Hormone Metabolism						
3BHS5_RAT	3 beta-hydroxysteroid dehydrog. type 5	58	2	1	NO	
DHB12_RAT	Estradiol 17-beta-dehydrogenase 12	38	1	1	NO	
DHB13_RAT	17-beta hydroxysteroid dehydrogenase 13	69	3	1	NO	
DHRS8_RAT	Dehydrog./reduct. SDR family memb 8	43	1	1	NO	
AK1D1_RAT	3-oxo-5-beta-steroid 4-dehydrogenase	223	8	2	NO	
DIDH_RAT	3-alpha-hydroxysteroid dehydrogenase	90	3	3	NO	
DHI1_RAT	Corticosteroid 11-beta-dehydrog. iso 1	429	7	2	NO	
RDH3_RAT	Retinol dehydrogenase 3	1525	10	3	NO	
RDH7_RAT	Retinol dehydrogenase 7	1369	8	1	NO	
RETST_RAT	All-trans-retinol 13,14-reductase	74	1	3	NO	
Iron Metabolism						
FRIH_RAT	Ferritin heavy chain	116	5	1	YES	4,9
FRIL1_RAT	Ferritin light chain 1	224	3	1	YES	1,2,3,4,9
IREB1_RAT	Iron-responsive element-binding protein 1	408	10	1	NO	
Xenobiotics / Endogenous compounds Metabolism						
CP2A1_RAT	Cytochrome P450 2A1	153	3	2	NO	
CP2A2_RAT	Cytochrome P450 2A2	153	4	1	NO	
CP4A2_RAT	Cytochrome P450 4A2	42	3	1	NO	
CP2B3_RAT	Cytochrome P450 2B3	74	2	3	NO	
CP2CB_RAT	Cytochrome P450 2C11	127	4	4	NO	
CP2D1_RAT	Cytochrome P450 2D1	1041	16	2	NO	
CP2D3_RAT	Cytochrome P450 2D3	1661	11	4	NO	
CP2D4_RAT	Cytochrome P450 2D18	1629	6	4	NO	
CP2DA_RAT	Cytochrome P450 2D10	1850	10	4	NO	
CP2DQ_RAT	Cytochrome P450 2D26	1731	14	4	NO	
UD16_RAT	UDP-glucuronosyltransferase 1-6	45	6	1	NO	
UD18_RAT	UDP-glucuronosyltransferase 1-8	45	3	1	NO	
UDB1_RAT	UDP-glucuronosyltransferase 2B1	51	3	1	NO	
UDB2_RAT	UDP-glucuronosyltransferase 2B2	266	5	2	NO	
UDB3_RAT	UDP-glucuronosyltransferase 2B3	194	4	2	NO	
UDB5_RAT	UDP-glucuronosyltransferase 2B5	111	2	2	NO	
NCPR_RAT	NADPH--cytochrome P450 reductase	74	5	2	NO	
ADH1_RAT	Alcohol dehydrogenase 1	157	6	3	NO	
CES3_RAT	Carboxylesterase 3 precursor	222	6	1	NO	
HYEP_RAT	Epoxide hydrolase 1	303	14	2	NO	
ARK72_RAT	Aflatoxin B1 aldehyde reductase memb 2	46	1	1	NO	
ARK73_RAT	Aflatoxin B1 aldehyde reductase memb 3	68	4	1	NO	
MGST1_RAT	Microsomal glutathione S-transferase 1	79	1	2	NO	
GSTM1_RAT	Glutathione S-transferase Mu 1	107	2	1	NO	
ST1A1_RAT	Sulfotransferase 1A1	46	1	2	NO	
THTR_RAT	Thiosulfate sulfurtransferase	242	7	3	NO	
FMO3_RAT	Dimethylaniline monooxygenase	104	4	2	NO	

FMO5_RAT	Dimethylaniline monooxygenase	43	1	1	NO	
CAH3_RAT	Carbonic anhydrase 3	72	3	1	NO	
CATA_RAT	Catalase	107	5	2	NO	
PRDX1_RAT	Peroxiredoxin-1	175	2	1	YES	2,5
ADO_RAT	Aldehyde oxidase	457	3	1	NO	
COMT_RAT	Catechol O-methyltransferase	33	2	1	NO	
GABT_RAT	4-aminobutyrate aminotransferase, mito.	41	2	1	NO	
Nuclear Proteins						
H2A1_RAT	Histone H2A type 1	42	3	1	YES	5,6,9
H2A4_RAT	Histone H2A type 4	33	2	1	NO	
H2B1_RAT	Histone H2B type 1	71	6	2	YES	5,6
H2B1A_RAT	Histone H2B type 1-A	71	4	2	NO	
H4_RAT	Histone H4	211	4	2	YES	1,3,5,6,9,13
NUCB2_RAT	Nucleobindin-2 precursor	129	3	1	NO	
IMB1_RAT	Importin beta-1 subunit	45	1	1	YES	9
Miscellaneous						
LRC46_RAT	Leucine-rich repeat-containing protein 46	59	1	1	NO	
RENBP_RAT	N-acylglucosamine 2-epimerase	32	2	1	NO	

^aEntry Name and Protein Name were described as annotated in Swiss-Prot database.

^bFour independent preparations of exosomes secreted by primary culture of rat hepatocytes were separated by SDS-PAGE, cut out, in-gel digested and analyzed by tandem mass spectrometry. Mascot score and number of peptides (#pept.) for each of the proteins identified are detailed. The sequences of the peptides and the protein coverage are provided in Table S2, and for those proteins identified based on a single peptide the MS/MS spectrum is provided in Figure S1.

^cNumber of times that an identified protein appears among the four independent preparations analyzed.

^dIdentified proteins were compared to the exosome compositions reported for the following sources:

1.- Urine.

Pisitkun T, Shen R-F, Knepper MA (2004) Identification and proteomic profiling of exosomes in human urine. *Proceedings of the National Academy of Sciences* 101:13368-13373.

2.- Dendritic Cells.

Segura E, Nicco C, Lombard B, Veron P, Raposo G, Batteux F, Amigorena S, et al. (2005) ICAM-1 on exosomes from mature dendritic cells is critical for efficient naive T-cell priming. *Blood* 106:216-223.

3.- Dendritic Cells.

Thery C, Regnault A, Garin J, Wolfers J, Zitvogel L, Ricciardi-Castagnoli P, Raposo G, et al. (1999) Molecular characterization of dendritic cell-derived exosomes. Selective accumulation of the heat shock protein hsc73. *J Cell Biol* 147:599-610.

4.- Intestinal Epithelial cells.

Van Niel G, Malleghol J, Bevilacqua C, Candalh C, Brugiare S, Tomaskovic-Crook E, Heath JK, et al. (2003) Intestinal epithelial exosomes carry MHC class II/peptides able to inform the immune system in mice. *Gut* 52:1690-1697.

5.- Schwann-immortalized cells (Mov Cells).

Fevrier B, Vilette D, Archer F, Loew D, Faigle W, Vidal M, Laude H, et al. (2004) Cells release prions in association with exosomes. *Proc Natl Acad Sci U S A* 101:9683-9688.

6.- Microglial cell line N9

Potolichio I, Carven GJ, Xu X, Stipp C, Riese RJ, Stern LJ, Santambrogio L (2005) Proteomic analysis of microglia-derived exosomes: metabolic role of the aminopeptidase CD13 in neuropeptide catabolism. *J Immunol* 175:2237-2243.

7.- Human B-Cells.

Wubbolts R, Leckie RS, Veenhuizen PT, Schwarzmann G, Mobius W, Hoernschemeyer J, Slot JW, et al. (2003) Proteomic and biochemical analyses of human B cell-derived exosomes. Potential implications for their function and multivesicular body formation. *J Biol Chem* 278:10963-10972.

8.- Mast Cells.

- Skokos D, Le Panse S, Villa I, Rousselle JC, Peronet R, David B, Namane A, et al. (2001) Mast cell-dependent B and T lymphocyte activation is mediated by the secretion of immunologically active exosomes. *J Immunol* 166:868-876.
- 9.- Mast Cell line MC/9.
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