Modulation of fibronectin and laminin expression by Rhodium (II) citrate-coated maghemite nanoparticles in mice bearing breast tumor

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Supplementary information

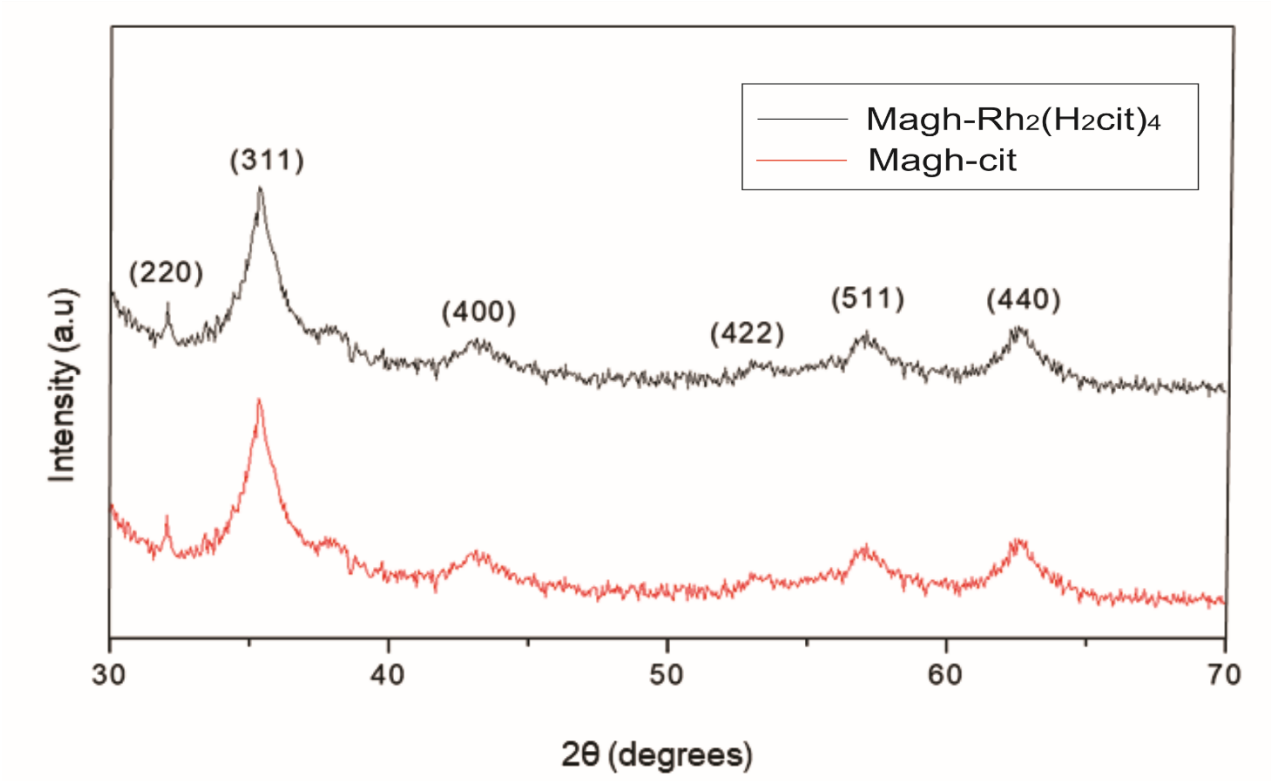

Figure S1: X-ray diffraction (XRD) diffractogram patterns of Magh-cit and Magh-Rh2(H2cit)$_4$.

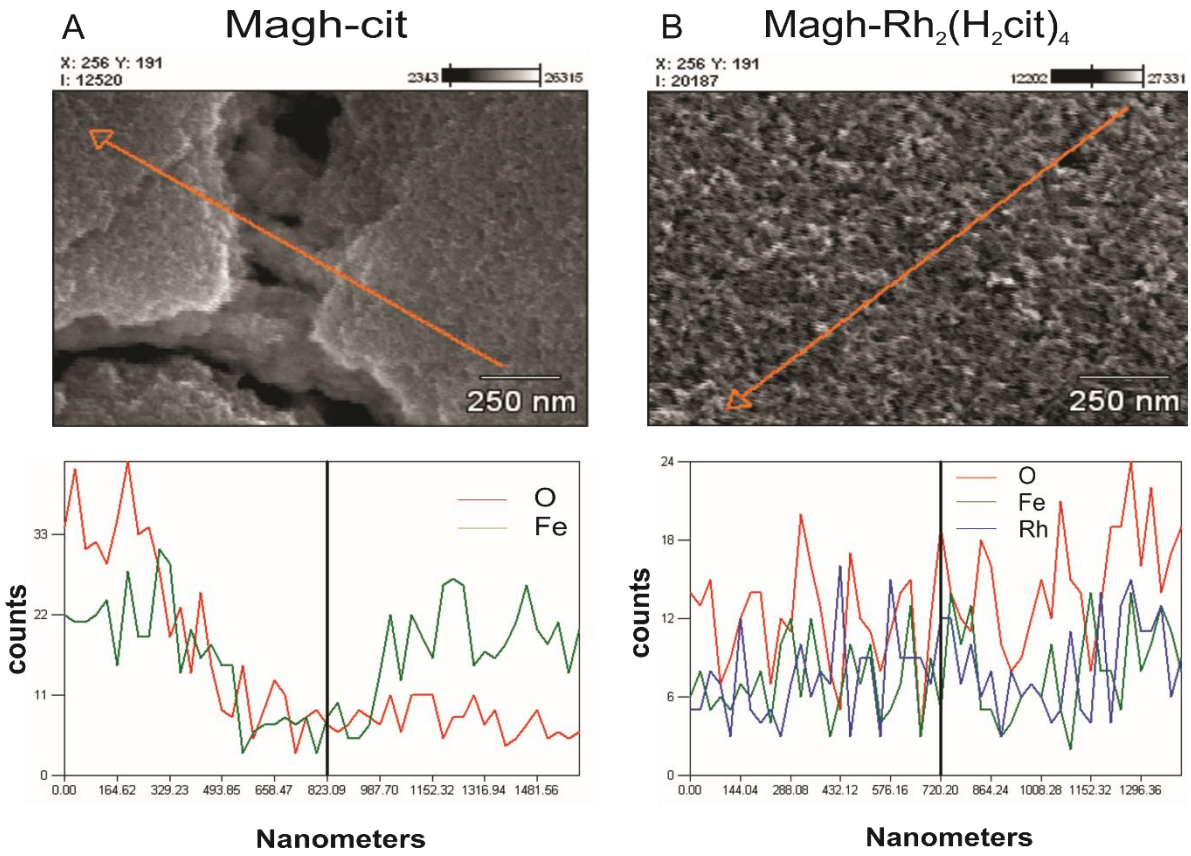

Figure S2: Energy dispersive spectra (EDS) of Magh-cit (A) and Magh-$Rh_2(H_2cit)_4$ (B) nanoparticles.

Supplementary table 1: Biochemical and hematology parameters of female Balb/c mice bearing breast carcinoma treated intratumorally with $Rh_2(H_2cit)_4$, Magh-$Rh_2(H_2cit)_4$ and Magh-Cit.

Parameters	**Health**	**Control**	**$Rh_2(H_2cit)_4$**	**Magh-$Rh_2(H_2cit)_4$**	**Magh-Cit**
Biochemical parameters					
Creatinine (mg/dL)	0.2 ± 0.1	0.3 ± 0.0	0.3 ± 0.1	0.2 ± 0.0	0.2 ± 0.0
ALT (U/L)	38.3± 1.5	39 ± 1.0	38.2 ± 1.2	37.4 ± 2.6	37.6 ± 2.5
Hematology parameters					
HGB (g/dL)	14.0 ± 0.4	12.8 ± 0.5	10.7 ± 2.3	12.7±1.0	13.4 ± 0.2
HCT (%)	42.9 ± 0.3	39.6 ± 0.2	42.1 ± 0.3	41.0 ± 0.2	42.3± 0.4
MCHC (g/mL)	32.6 ± 0.4	32.3 ± 0.3	30.1 ± 1.5	31.0 ± 1.4	31.7± 0.2
MCH (pg)	15.7 ± 0.2	15.3 ± 0.1	14.5 ± 0.7	15.1± 0.7	15.5 ± 0.3
MCV (fL)	48.3 ± 0.2	47.3 ± 0.3	48.2 ±0.3	48.9 ± 0.4	48.8± 0.7
WBC (/mm3)	3816±4057	2040±3958	3352±1009	3654±1810	3866±3958
Lymphocytes (%)	40.2 ± 2.1	44.8 ± 3.1	41.2 ± 2.3	43.0 ± 3.3	46.0 ± 2.2
Eosinophils (%)	5.6 ± 1.2	5.4 ± 0.9	5.2 ± 0.7	4.0 ± 0.40	4.9 ± 0.32
Monocytes (%)	48.3 ± 4.6	46.9 ± 4.2.0	47.7 ± 2.0	47 ± 2.8	3.3 ± 6.9

Legend: ALT- Alanine Transaminase; RBC - Red Blood Cells; HGB - Hemoglobin; HCT Hematocrit; MCHC - Mean Corpuscular Hemoglobin Concentration; MCH - Mean Corpuscular Hemoglobin; MCV- Mean Corpuscular Volume; WBC - White Blood Cells; Data correspond as mean ± standard error.