

Supplementary Materials: The Impact of Ag Nanoparticles and CdTe Quantum Dots on Expression and Function of Receptors Involved in Amyloid- β Uptake by BV-2 Microglial Cells

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Table 1. The *Msr1*, *Cd36*, *Ager* and *Cd33* gene expression of BV-2 cells after treatment with NPs for 6 h (real-time PCR).

Sample	Gene	Mean Rq value	Rq Min	Rq Max	P Value
control	<i>Ager</i>	1	0.757	1.322	1
	<i>Cd33</i>	1	0.735	1.361	1
	<i>Cd36</i>	1	0.573	1.744	1
	<i>Msr1</i>	1	0.487	2.055	1
AgNPs 5 $\mu\text{g mL}^{-1}$	<i>Ager</i>	1.107	0.699	1.753	0.764
	<i>Cd33</i>	0.960	0.736	1.252	0.870
	<i>Cd36</i>	0.860	0.424	1.746	0.787
	<i>Msr1</i>	1.014	0.532	1.932	0.982
AgNPs 50 $\mu\text{g mL}^{-1}$	<i>Ager</i>	0.959	0.818	1.125	0.836
	<i>Cd33</i>	0.855	0.653	1.120	0.545
	<i>Cd36</i>	0.973	0.592	1.599	0.952
	<i>Msr1</i>	1.233	0.668	2.278	0.721
CdTeQDs 0.1 $\mu\text{g mL}^{-1}$	<i>Ager</i>	0.857	0.706	1.041	0.482
	<i>Cd33</i>	0.955	0.751	1.214	0.849
	<i>Cd36</i>	1.280	0.703	2.331	0.629
	<i>Msr1</i>	0.957	0.478	1.916	0.943
CdTeQDs 10 $\mu\text{g mL}^{-1}$	<i>Ager</i>	0.600	0.351	1.024	0.238
	<i>Cd33</i>	0.836	0.625	1.117	0.504
	<i>Cd36</i>	1.462	0.919	2.324	0.417
	<i>Msr1</i>	0.944	0.558	1.598	0.917

Data were compared to untreated control. Results are mean of three independent experiments, RqMin and RqMax are also shown. Rq (relative quantification) is a relative change in a gene expression, see Materials and Methods section.



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