

Annexure A

Materials

A.1 MATERIALS

Ludox silica nanoparticles (HS40 and TM40), adenosine 5'-triphosphate disodium salt hydrate (ATP), N-Acetyl-L-cysteine, Lipopolysaccharides, Protease inhibitor, 3-(4,5-dimethylthiazol-2-yl)-2,5 diphenyltetrazolium bromide (MTT), cytochalasin-D, ac-YVAD-cmk and glyburide were purchased from Sigma. All cell culture reagents were obtained from Sigma-Aldrich. Lipofectamine® 2000 and Opti-MEM were purchased from Thermo scientific. AIM2 siRNA and scrambled (negative Control) siRNA were purchased from Dharmacon. NLRP12 siRNA was obtained from Sigma. General laboratory consumables were purchased from Nunc, Sigma, Himedia, Tarsons, Corning, and Abdos.

Table A.1.1: List of Antibodies used in the Study

Serial Number	Antibodies	Company	Host animal
1.	Anti- ASC	Cell signaling	Rabbit
2.	Anti- AIM2	Sigma	Rabbit
3.	Anti- Caspase-1	Santa cruz	Mouse
4.	NLRP12	Sigma-Aldrich	Rabbit
5.	β-actin	Sigma-Aldrich	Mouse
6.	Alexa fluor-594 anti-rabbit	Life technologies	Goat
7.	Alexa fluor-488 anti-mouse	Life technologies	Goat

A.1.2: List of cell lines used in the study

Serial Number	Name	Morphology	Source
1.	BV2	Mouse microglia cell line	Gifted
2.	A549	Human lung alveolar epithelial cells	ECACC
3.	CHO	Chinese hamster fibroblasts	Himedia
4.	HUVEC	Human umbilical vein endothelial cells	Primary Isolation
5.	A-172	Human Glioblastoma	ATCC
6.	LN-18	Human Glioblastoma	ATCC
7.	HEK293T	Human embryonic kidney epithelial cells	NCCS, Pune
8.	C6	Mouse Glioma	NCCS, Pune
9.	THP-1	Human Monocytes	ECACC