Rat CD89 (FCAR) protein (Recombinant) (STJP000486)

STJP000486

GENERAL INFORMATION

Product Type Proteins

Short Description Recombinant-Rat CD89 (FCAR)-protein was developed from hek293. For use in research applications.

Host/Source HEK293

PRODUCT PROPERTIES

Concentration

Formulation Recombinant Rat CD89is supplied as a 0.2 Mu m filtered PBS solution, pH7.2.

Purification

Dilution Range >97%, as determined by SDS-PAGE and HPLC

Storage Recombinant CD89, as supplied, can be stored in working aliquots at 2-8°C for one month, or at-20°C to-70°C for twelve months.

Instruction Avoid repeated freeze/thaw cycles.

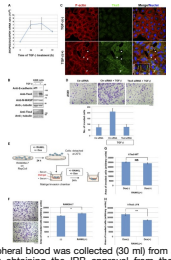
TARGET INFORMATION

Gene ID 2204

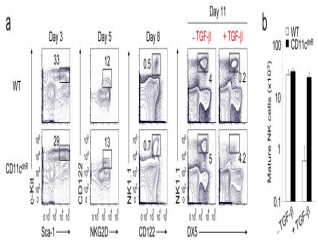
Gene Symbol FCAR

Uniprot ID FCAR_HUMAN

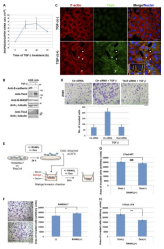
Immunogen Sequence



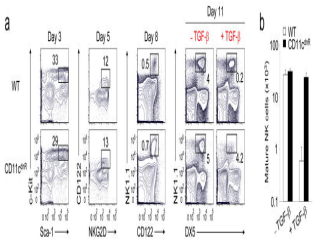
Human peripheral blood was collected (30 ml) from adult healthy donors after obtaining the IRB approval from the Ohio State University Medical Center and obtaining written consents from donors. The ethic committee has also approved the procedure and records are saved in the laboratory logbook. Freshly collected blood was processed to isolate peripheral blood mononuclear cells (PBMC) following the similar protocol published earlier



Rat vascular smooth muscle cells (VSMCs) were isolated by enzymatic digestion of thoracic aortic media from male Sprague-Dawley rats (250–300g, obtained from Tongji Medical College, HUST) by the method of



Functional assays for the measurement of degranulation (CD107a/b) were performed as described in



To assess the impact of MSCs and SB623 cells on the maturation of dendritic cells, monocyte-derived dendritic cells were generated in the presence of GM-CSF and IL-4. On Day 5, human TNF-Alpha (10 ng/ml) was added to each well with or without MSCs or SB623 cells. As previous studies confirmed a role of cyclosporin A in hindering dendritic cell maturation [

St John's Laboratory Ltd, Knowledge Dock Business Centre, University Way, London, E16 2RD | Tel: 0208 223 3081