



Recombinant Protein Technical Manual

Recombinant Mouse VCAM1 Protein (Fc Tag)

RPES0286

Product Data:

Product SKU: RPES0286

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: P29533

Protein Information:

Molecular Mass: 101.4 kDa

AP Molecular Mass: 130 kDa

Tag: C-Fc

Bio-activity:

Purity: > 90% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: CD106;Vascular cell adhesion protein 1; Vcam1; L1CAM;VCMA1;Vcam

Immunogen Information:

Sequence: Phe25-Glu698

Background:

Vascular cell adhesion molecule 1 (VCAM) is a cell surface protein belonging to the immunoglobulin superfamily, the protein is expressed by activated endothelial cells and certain leukocytes (such as macrophages). IL beta, IL-4, TNF-alpha and IFN-gamma induced the expression of VCAM. The human and mouse VCAM proteins share approximately 76% amino acid similarity. Mouse VCAM is Important in cell-cell recognition. it appears to function in leukocyte-endothelial cell adhesion, and interacts with integrin alpha-4/beta (ITGA4/ITGB1) on leukocytes, and mediates both adhesion and signal transduction.