

## VCAM-1 Protein, Mouse, Recombinant (hFc)

### General Information

Synonyms:	Vascular cell adhesion protein 1;Vcam1
Protein Construction:	Phe25-Glu698
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	P29533
Molecular Weight:	100-130 KDa (reducing condition)
AA Sequence:	Phe25-Glu698

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4.

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Vascular cell adhesion molecule 1 (VCAM-1) 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-1 beta, IL-4, TNF-alpha and IFN-gamma induced the expression of VCAM-1. The human and mouse VCAM-1 proteins share approximately 76% amino acid similarity. Mouse VCAM-1 is Important in cell-cell recognition. it appears to function in leukocyte-endothelial cell adhesion, and interacts with integrin alpha-4/beta-1

(ITGA4/ITGB1) on leukocytes, and mediates both adhesion and signal transduction.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481