

## Recombinant human Vascular cell adhesion protein 1

Catalog No: #AP72838



Package Size: #AP72838-1 20ug #AP72838-2 100ug #AP72838-3 1mg

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## Description

Product Name	Recombinant human Vascular cell adhesion protein 1
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:25-698aaSequence Info:Extracellular Domain
Other Names	INCAM-100; CD106
Accession No.	P19320
Uniprot	P19320
GeneID	7412;
Calculated MW	76.2 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	FKIETTPESTRYLAQIGDSVSLTCTSTTGCESPFFSWRTQIDSPLNGKVTNEGTTSTLTMNPVSVFGNEHSYLCTAT CESRKLEKGIQVEIYSFPKDPEIHLGSGPLEAGKPITVKCSVADVPPDRLEIDLLKGDHLMKSQEFLEADRKSL ETKSLEVTFTPVIDIGKVLVCRAKLHIDEMDSVPTVRQAVKELQVYISPKNTVISVNPSTKLQEGGSVTMTCSS EGLPAPEIFWSKKLDNGLQHLSGNATLTIAMRMEDSGIYVCEGVNLIGKNRKEVELIVQEKPFTVEISPGPRI AAQIGDSVMLTCSVMGCESPFSWRTQIDSPLSGKVRSEGTNSTLTLSPVSVFENEHSYLCTVTCGHKKLEKGI QVELYSFPRDPEIEMSGGLVNGSSVTVCKVPSVYPLDRLEIELLKGETILENIEFLEDTDMKSLENKSLEMTFIP TIEDTGKALVCQAKLHIDDMEFEPKQRQSTQTLVYVNVAPRDTTVLVSPSSILEEGSSVNMTCLSQGFPAPKILW SRQLPNGELQPLSENATLTLISTKMEDSGVYLCEGINQAGRSRKEVELIIQVTPKDIKLTAFPSSEVKEGDTVVIS CTCGNVPETWILKKAETGDTVLKSIDGAYTIRKAQLKDAGVYECESKNKVGSQLRSLTLDVQGRENNKDYFS PE
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Important in cell-cell recognition. Appears to function in leukocyte-endothelial cell adhesion. Interacts with integrin alpha-4,beta-1 (ITGA4,ITGB1) on leukocytes, and mediates both adhesion and signal transduction. The VCAM1,ITGA4,ITGB1 interaction may play a pathophysiologic role both in immune responses and in leukocyte igration to sites of inflammation.

## References

Direct expression cloning of vascular cell adhesion molecule 1, a cytokine-induced endothelial protein that binds to lymphocytes.Osborn L., Hession C., Tizard R., Vassallo C., Luhowskyj S., Chi-Rosso G., Lobb R.Cell 59:1203-1211(1989)Research Topic:Cell Adhesion

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Note: This product is for in vitro research use only