



Product datasheet

Recombinant Human CD31 protein ab94370

描述		
产品名称	重组人CD31蛋白	
纯度	> 95 % SDS-PAGE. Purity ≥ 97% by SDS-PAGE gel and HPLC analyses.	
内毒素水平	< 0.100 Eu/μg	
表达系统	HEK 293 cells	
蛋白长度	Protein fragment	
无动物成分	No	
性质	Recombinant	
种属	Human	
序列	ENSFTINSVD MKSLPDWTVQ NGKNLTLQCF ADVSTTSHVK PQHQMLFYKD DVLFYNISSM KSTESYFIPE VRIYDSGTYK CTVIVNNEK TTAEYQLLVE GVPSPRVTL D KKEAIQGGIV RVNCSVPEEK APIHFTIEKL ELNEKMKLKL REKNSRDQNF VILEFPVEEQ DRVLSFRCQA RIISGIHMQT SESTKSELVT VTESFSTPKF HISPTGMIME GAQLHIKCTI QVTHLAQEF EIIIIQDKAI VAHNRHGKNA VYSVMAMVEH SGNYTCKVES SRISKVSSIV VNITELFSKP ELESSFTHLD QGERLNLSCS IPGAPPANFT IQKEDTIVSQ TQDFTKIASK SDSGTYICTA GIDKVVKKSN TVQIVVCEML SQPRISYDAQ FEVIKGQTIE VRCESISGTL PISYQLLKTS KVLENSTKNS NDPAVFKDNP TEDVEYQCVA DNCHSHAKML SEVLRVKVIA PVDEVQISIL SSKVVESGED IVLQCAVNEG SGPITYKFYR EKEGKPFYQM TSNATQAFWT KQKASKEQEG EYYCTAFNRA NHASSVPRSK ILTVRVILAP WK	
氨基酸	29 to 600	

技术指标

Our **Abpromise guarantee** covers the use of **ab94370** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE
形式	Lyophilized
补充说明	Endotoxin level is less than 0.1 ng per µg (1EU/µg).
制备和贮存	
稳定性和存储	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Constituent: 0.164% Sodium phosphate
复溶	For lot specific reconstitution information please contact our Scientific Support Team.
常规信息	
功能	Induces susceptibility to atherosclerosis (By similarity). Cell adhesion molecule which is required for leukocyte transendothelial migration (TEM) under most inflammatory conditions. Tyr-690 plays a critical role in TEM and is required for efficient trafficking of PECAM1 to and from the lateral border recycling compartment (LBRC) and is also essential for the LBRC membrane to be targeted around migrating leukocytes. Prevents phagocyte ingestion of closely apposed viable cells by transmitting 'detachment' signals, and changes function on apoptosis, promoting tethering of dying cells to phagocytes (the encounter of a viable cell with a phagocyte via the homophilic interaction of PECAM1 on both cell surfaces leads to the viable cell's active repulsion from the phagocyte. During apoptosis, the inside-out signaling of PECAM1 is somehow disabled so that the apoptotic cell does not actively reject the phagocyte anymore. The lack of this repulsion signal together with the interaction of the eat-me signals and their respective receptors causes the attachment of the apoptotic cell to the phagocyte, thus triggering the process of engulfment). Isoform Delta15 is unable to protect against apoptosis. Modulates BDKRB2 activation. Regulates bradykinin- and hyperosmotic shock-induced ERK1/2 activation in human umbilical cord vein cells (HUVEC).
组织特异性	Expressed on platelets and leukocytes and is primarily concentrated at the borders between endothelial cells. Isoform Long predominates in all tissues examined. Isoform Delta12 is detected only in trachea. Isoform Delta14-15 is only detected in lung. Isoform Delta14 is detected in all tissues examined with the strongest expression in heart. Isoform Delta15 is expressed in brain, testis, ovary, cell surface of platelets, human umbilical vein endothelial cells (HUVECs), Jurkat T-cell leukemia, human erythroleukemia (HEL) and U937 histiocytic lymphoma cell lines (at protein level).
序列相似性	Contains 6 Ig-like C2-type (immunoglobulin-like) domains.
结构域	The Ig-like C2-type domains 2 and 3 contribute to formation of the complex with BDKRB2 and in regulation of its activity.
翻译后修饰	Phosphorylated on Ser and Tyr residues after cellular activation. In endothelial cells Fyn mediates mechanical-force (stretch or pull) induced tyrosine phosphorylation.
细胞定位	Membrane. Cell junction. Localizes to the lateral border recycling compartment (LBRC) and recycles from the LBRC to the junction in resting endothelial cells and Cell junction. Localizes to the lateral border recycling compartment (LBRC) and recycles from the LBRC to the junction in resting endothelial cells.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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