

Datasheet for ABIN7596418
CD56 Protein (AA 20-603) (His tag)



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Overview

Quantity:	500 µg
Target:	CD56 (NCAM1)
Protein Characteristics:	AA 20-603
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD56 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	LQVDIVP SQGEISVGES KFFLCQVAGD AKDKDISWFS PNGEKLTPNQ QRISVVWNDD SSSTLTIYNA NIDDAGIYKC VVTGEDGSES EATVNVKIFQ KLMFKNAPTP QEFREGEDAV IVCDVVSSLP PTIIWKHKGR DVILKKDVRV IVLSNNYLQI RGIKKTDEGT YRCEGRILAR GEINFKDIQV IVNVPPTIQA RQNIVNATAN LGQSVTLVCD AEGFPEPTMS WTKDGEQIEQ EEDDEKYIFS DDSSQLTIKK VDKNDEAEYI CIAENKAGEQ DATIHLKVFA KPKITYVENQ TAMELEEQVT LTCEASGDPI PSITWRTSTR NISSEKTLT GHMVVRSHAR VSSLTLKSIQ YTDAGEYICT ASNTIGQDSQ SMYLEVQYAP KLQGPVAVYT WEGNQVNITC EVFAYPSATI SWFRDGQLLP SSNYSNIKIY NTPSASYLEV TPDSEDFGN YNCTAVNRIG QESLEFILVQ ADTPSSPSID QVEPYSSAQ VQFDEPEATG GVPILKYKAE WRAVGEEVWH SKWYDAKEAS MEGIVTIVGL KPETTYAVRL AALNGKGLGE ISAASEFKTQ PVHSPPP
Purity:	> 95% by SDS - PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	CD56 (NCAM1)
Alternative Name:	NCAM-1/CD56 (NCAM1 Products)
Background:	NCAM-1, also known as CD56, is a member of the immunoglobulin superfamily. It specifically binds to neuron-neuron adhesion, neurite fasciculation, outgrowth of neurites, etc. The polysialylation of NCAM-1 reduces its adhesive property and increases its neurite outgrowth promoting features. It has also been shown to be involved in the expansion of T cells and dendritic cells which play an important role in immune surveillance. This protein is preferentially expressed in NK cells and a subset of T lymphocytes that mediate MHC-unrestricted cell-mediated cytotoxicity. High expression of NCAM-1/CD56 differentiates NK cells as having an activated phenotype. CD56(+high) NK cells mediate heightened effector functions in response to IL-12. During hematopoiesis, NCAM-1/CD56 is the prototypic marker of NK cells, also present on subset of CD4+ T cells and CD8+ T cells. In cell adhesion, it contributes to cell-cell adhesion or cell-matrix adhesion during embryonic development. In anatomic pathology, pathologists make use of it immunohistochemistry to recognize certain tumors. Recombinant human NCAM-1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	65.7kDa(593aa)
NCBI Accession:	NP_001070150

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.