Datasheet for ABIN7596324

CD57 Protein (AA 28-334) (hIgG-His-tag)

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Overview

Quantity:	250 µg
Target:	CD57 (B3GAT1)
Protein Characteristics:	AA 28-334
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD57 protein is labelled with hIgG-His-tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	TLAPLLA VHKDEGSDPR RETPPGADPR EYCTSDRDIV EVVRTEYVYT RPPPWSDTLP TIHVVTPTYS RPVQKAELTR MANTLLHVPN LHWLVVEDAP RRTPLTARLL RDTGLNYTHL HVETPRNYKL RGDARDPRIP RGTMQRNLAL RWLRETFPRN SSQPGVVYFA DDDNTYSLEL FEEMRSTRRV SVWPVAFVGG LRYEAPRVNG AGKVVGWKTV FDPHRPFAID MAGFAVNLRL ILQRSQAYFK LRGVKGGYQE SSLLRELVTL NDLEPKAANC TKILVWHTRT EKPVLVNEGK KGFTDPSVEI
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	CD57 (B3GAT1)

Target Details

Alternative Name:	B3GAT1 (B3GAT1 Products)
Background:	B3GAT1, also known as galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1, is a key enzyme during the biosynthesis of the carbohydrate epitope HNK-1. These enzymes exhibit strict acceptor specificity, recognizing nonreducing terminal sugars and their anomeric linkages. This protein is expressed as a carbohydrate epitope that contains a sulfoglucuronyl residue in several adhesion molecules of the nervous system. Also, the enzyme activity was found to be enhanced in the presence of sphingomyelin and phosphatidylinositol. This protein functions as the key enzyme in a glucuronyl transfer reaction during the biosynthesis of the carbohydrate epitope HNK-1. Recombinant Human B3GAT1, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	62.3 kDa (549aa)
NCBI Accession:	NP_473366
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

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

Handling

Format:	Liquid
Concentration:	0.25 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.