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Datasheet for ABIN7199130

CD109 Protein (CD109) (His-Avi Tag,Biotin)

Overview

Quantity:	200 µg
Target:	CD109
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD109 protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human CD109 / CPAMD7 Protein, His,Avitag™ (MALS & SPR verified)
Sequence:	Val 22 - Ser 1269
Characteristics:	Biotinylated Human CD109, His,Avitag is expressed from human 293 cells (HEK293). It contains AA Val 22 - Ser 1269 (Accession # Q6YHK3-1).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Grade:	MALS verified

Target Details

Target:	CD109
Alternative Name:	CD109 / CPAMD7 (CD109 Products)
Background:	Synonyms: CD109,CPAMD7,r150,p180,CPAMD7,

Target Details

	N/A
Molecular Weight:	143.5 kDa
NCBI Accession:	NP_598000
Pathways:	Activated T Cell Proliferation

Application Details

Application Notes:	This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™). The protein has a calculated MW of 143.5 kDa. The protein migrates as kDa under reducing (R) condition due to glycosylation.
Comment:	<p>Ready-to-use Avitag™ biotinylated protein:</p> <p>The product is exclusively produced using the Avitag™ technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA.</p> <p>This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-20 °C
Storage Comment:	-20°C