

Datasheet for ABIN7125985

SIGLEC7 Protein (Leu117Ala-Mutant, Leu118Ala-Mutant) (Fc Tag)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	SIGLEC7
Protein Characteristics:	Leu117Ala-Mutant, Leu118Ala-Mutant
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SIGLEC7 protein is labelled with Fc Tag.

Product Details

Purpose:	Human Siglec-7 / CD328 Protein, Fc (L117A, L118A) Tag (MALS verified)
Sequence:	Gln 19 - Leu 353
Characteristics:	Human Siglec-7, Fc (L117A, L118A) Tag is expressed from human 293 cells (HEK293). It contains AA Gln 19 - Leu 353 (Accession # Q9Y286-1).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 0.01 EU per µg by the LAL method.
Grade:	MALS verified

Target Details

Target:	SIGLEC7
Alternative Name:	Siglec-7 / CD328 (SIGLEC7 Products)

Target Details

Background:	Synonyms: CDw328,D-siglec,A79 membrane protein,p75,Adhesion inhibitory receptor molecule 1, AIRM-1, Siglec-7 is a member of the human CD33-related Siglec receptor. The extracellular region of Siglec-7 is characterized by an N-terminal V-set Ig domain that can bind sialic acid and two C2-set Ig domains. The cytoplasmic tail of Siglec-7 has one immune-receptor tyrosine-based inhibitory motif (ITIM) and one ITIM-like motif. Siglec-7 is considered as a sialic acid-dependent immunoreceptor with inhibitory potential and expressed predominantly on human NK cells, monocytes and a small subset of CD8+ T cells.
Molecular Weight:	63.3 kDa
NCBI Accession:	NP_055200

Application Details

Application Notes:	This protein carries a Fc (L117A, L118A) tag at the C-terminus. The protein has a calculated MW of 63.3 kDa. The protein migrates as 70-90 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. Mutations (L117A, L118A/EU number: L234A/L235A) in human immunoglobulin G1 (hIgG1) Fc diminish binding to FcγRI leading to a significant reduction in ADCC and CDC in comparison to wild type human IgG1.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	25 mM MES, 150 mM NaCl, pH 5.5
Storage:	-20 °C
Storage Comment:	-20°C