

Datasheet for ABIN7317383  
**CD58 Protein (CD58) (Fc Tag)**



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## Overview

Quantity:	100 µg
Target:	CD58
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD58 protein is labelled with Fc Tag.

## Product Details

Purpose:	Recombinant Human LFA-3/CD58 Protein (Fc Tag)(Active)
Sequence:	Met 1-Arg215
Characteristics:	A DNA sequence encoding the human CD58 (Q9BRW0) (Met1-Arg215) was expressed with the Fc region of human IgG1 at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	1. Measured by its binding ability in a functional ELISA. Immobilized human CD2-His at 10 µg/ml (100 µl/well) can bind human CD58-Fc, The EC50 of human CD58-Fc is 0.04-0.1 µg/ml.2. Measured by its binding ability in a functional ELISA. Immobilized Cynomolgus CD2-His at 10 µg/ml (100 µl/well) can bind human CD58-Fc, The EC50 of human CD58-Fc is 0.04-0.10 µg/ml.

## Target Details

Target:	CD58
Alternative Name:	LFA-3/CD58 ( <a href="#">CD58 Products</a> )
Background:	<p>Background: CD53 is a member of the transmembrane 4 superfamily, also called the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. These proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. CD53 is a cell surface glycoprotein that is known to complex with integrins. Familial deficiency of CD53 gene has been linked to an immunodeficiency associated with recurrent infectious diseases caused by bacteria, fungi and viruses. CD53 contributes to the transduction of CD2-generated signals in T cells and natural killer cells and has been suggested to play a role in growth regulation.</p> <p>Immune Checkpoint   Immunotherapy   Cancer Immunotherapy   Targeted Therapy</p> <p>Synonym: Leptin receptor; LEP-R; HuB219; OB receptor; OB-R; CD295; LEPR; DB; OBR</p>
Molecular Weight:	48.5 kDa
UniProt:	<a href="#">Q9BRW0</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>