

Datasheet for ABIN7320155  
**CD96 Protein (CD96) (His tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µg
Target:	CD96
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD96 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse CD96 Protein (His Tag)(Active)
Sequence:	Met 1-Met 536
Characteristics:	A DNA sequence encoding the mouse CD96 (Q3U0X8) extracellular domain (Met 1-Met 536) was expressed, fused with a C-terminal polyhistidine tag.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	1. Measured by its binding ability in a functional ELISA.2. Immobilized recombinant Mouse CD96 at 10 µg/ml (100 µl/well) can bind mouse PVR with a linear range of 6.4-160 ng/ml.

## Target Details

Target:	CD96
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## Target Details

Alternative Name: CD96 ([CD96 Products](#))

**Background:** Background: The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. The CD155 ligand CD96 is a member of the Ig superfamily. It's a immunoglobulin-like protein tentatively allocated to the repertoire of human NK receptors. NK cells recognize poliovirus receptor (PVR), a nectins and nectin-like protein family member serve to mediate cell-cell adhesion, cell migration, with the presence of an additional receptor, CD96. CD96 promotes NK cell adhesion to target cells expressing PVR, stimulates cytotoxicity of activated NK cells, and mediates acquisition of PVR from target cells. The effect the cells with mutated CD96 protein lost adhesion and growth activities indicates that CD96 mutations may cause a form of the C syndrome by interfering with cell adhesion and growth. Immune Checkpoint Immunotherapy Cancer Immunotherapy Targeted Therapy  
**Synonym:** T-cell surface protein tactile; Cell surface antigen CD96; T cell-activated increased late expression protein; CD96

Molecular Weight: 58 kDa

UniProt: [Q3U0X8](#)

## Application Details

Restrictions: For Research Use only

## Handling

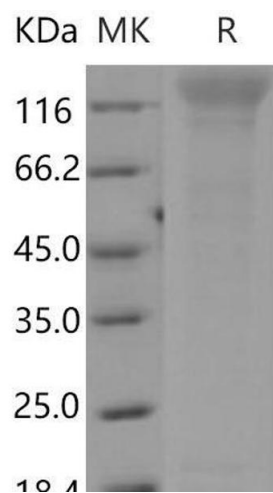
Format: Lyophilized

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:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.