Datasheet for ABIN6973288

Transferrin Receptor Protein (AA 89-760) (AVI tag,His tag,Biotin)

2 Images

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Overview

Quantity:	200 µg
Target:	Transferrin Receptor (TFRC)
Protein Characteristics:	AA 89-760
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Transferrin Receptor protein is labelled with AVI tag,His tag,Biotin.

Product Details

Sequence:	AA 89-760
Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Characteristics:	Human TREM2 Protein, Fc Tag
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	Transferrin Receptor (TFRC)
Alternative Name:	Transferrin R (TFRC Products)

Target Details

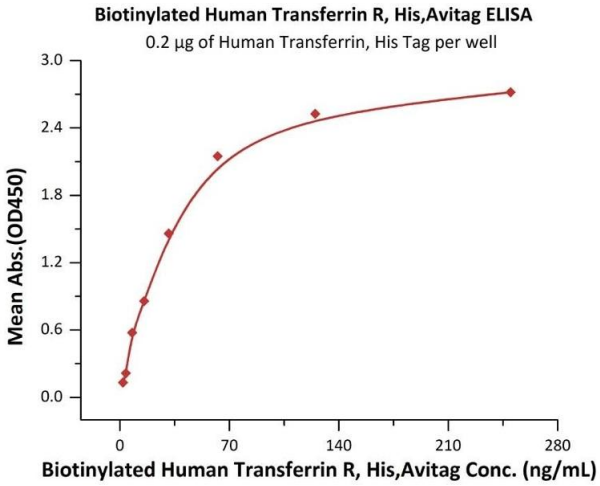
Background:	CD antigen CD71 is also known as Transferrin receptor protein 1, TfR, sTfR, p90, TfR1, Trfr, which belongs to the peptidase M28 family and M28B subfamily. CD71 /TFR contains one PA (protease associated) domain. CD71 / TfR1 is required for iron delivery from transferrin to cells. CD71 is a potential new target in cases of human leukomia & lymphoma. CD71 /TFRC / TfR has been shown to interact with GABARAP and HFE.
Molecular Weight:	78.7 kDa
NCBI Accession:	NP_003225
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	MALS verified
Comment:	Ready-to-use Avitag™ biotinylated protein: 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. 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.
Restrictions:	For Research Use only

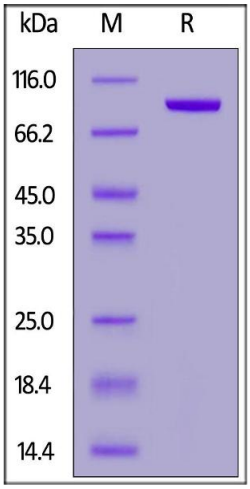
Handling

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



ELISA

Image 1. Immobilized Human Transferrin, His Tag (ABIN2181871,ABIN2181870) at 2 μg/mL (100 μL/well) can bind Biotinylated Human Transferrin R, His,Avitag (ABIN6973288) with a linear range of 2-63 ng/mL (QC tested).



SDS-PAGE

Image 2. Biotinylated Human Transferrin R, His,Avitag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .