

Datasheet for ABIN6386445

CEACAM5 Protein (AA 35-685) (His tag,AVI tag,Biotin)[Go to Product page](#)**3** Images

Overview

Quantity:	200 µg
Target:	CEACAM5
Protein Characteristics:	AA 35-685
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CEACAM5 protein is labelled with His tag,AVI tag,Biotin.

Product Details

Sequence:	AA 35-685
Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	CEACAM5
Alternative Name:	CEACAM-5 (CEACAM5 Products)
Background:	Carcinoembryonic antigen-related cell adhesion molecule 5 (CEACAM5) is also Carcinoembryonic antigen (CEA), Meconium antigen 100, CD antigen CD66e, CEACAM5 belongs to the immunoglobulin superfamily and CEA family. CEACAM5 contains seven Ig-like

Target Details

(immunoglobulin-like) domains. CEACAM5 is homodimer protein which binding of E.coli Dr adhesins leads to dissociation of the homodimer. CEACAM5 is cell surface glycoprotein that plays a role in cell adhesion and in intracellular signaling. CEACAM5 is receptor for E.coli Dr adhesins.

Molecular Weight: 75.0 kDa

NCBI Accession: [NP_004354](#)

Application Details

Comment: Ready-to-use AvitagTM biotinylated protein:
The product is exclusively produced using the AvitagTM 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

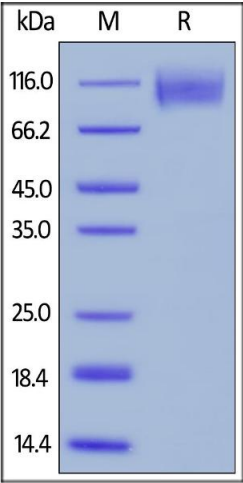
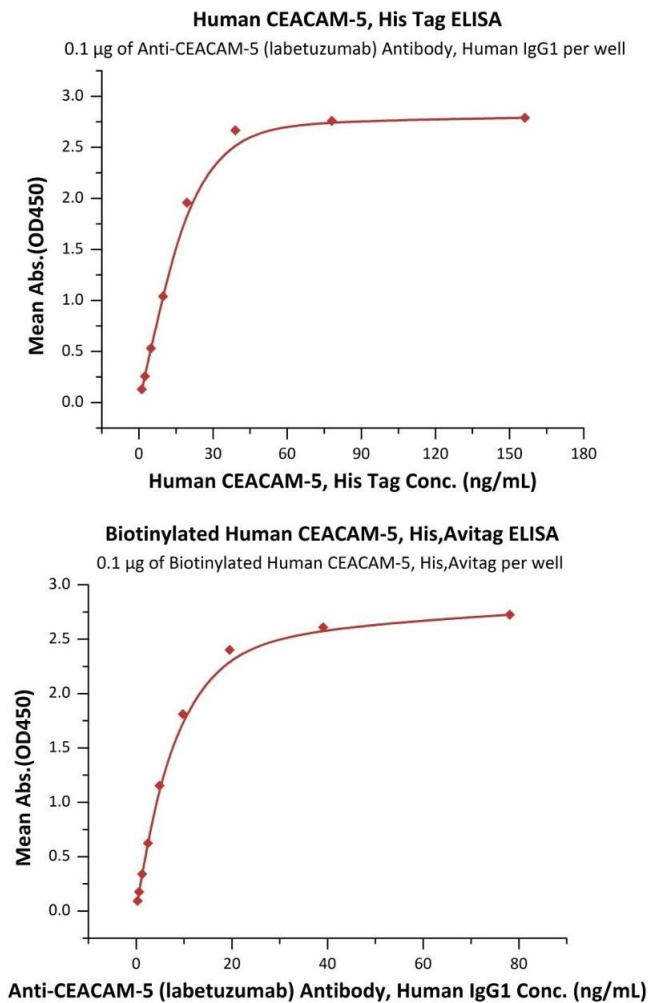
Handling

Format: Lyophilized

Buffer: 20 mM Tris, 150 mM Potassium glutamate, pH 7.5

Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C



ELISA

Image 1. Immobilized AM-5 (labetuzumab) Antibody, Human IgG1 at 1 µg/mL (100 µL/well) can bind Biotinylated Human CEACAM-5, His,Avitag (ABIN6386445,ABIN6388259) with a linear range of 0.6-20 ng/mL (Routinely tested).

ELISA

Image 2. Immobilized Biotinylated Human CEACAM-5, His,Avitag (ABIN6386445,ABIN6388259) at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate. can bind AM-5 (labetuzumab) Antibody, Human IgG1 with a linear range of 0.3-10 ng/mL (QC tested).

SDS-PAGE

Image 3. Biotinylated Human CEACAM-5, His,Avitag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .