

HUMAN CD96 PROTEIN, MFC-HIS TAG

Cat.#: 11156

Product Name: Human CD96 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: TACTILE

Target: CD96

UNIPROT ID: P40200

Description: Recombinant human CD96 protein with C-terminal mouse Fc and 6xHis tag

Background: The protein encoded by this gene belongs to the immunoglobulin superfamily. It is a type I membrane protein. The protein may play a role in the adhesive interactions of activated T and NK cells during the late phase of the immune response. It may also function in antigen presentation. Alternative splicing generates multiple transcript variants encoding distinct isoforms.

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 78.9 kDa after removal of the signal peptide. The apparent molecular mass of CD96-mFc-His is approximately 130-180 kDa due to glycosylation.

Molecular Characterization: CD96(Val22-Asn503) mFc(Pro99-Lys330) 6×His tag

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

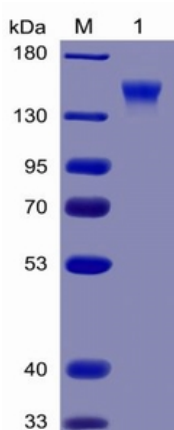


Figure 1. Human CD96 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

Human CD96, mFc-His Tagged protein ELISA

0.2 µg of CD155, hFc Tagged protein per well

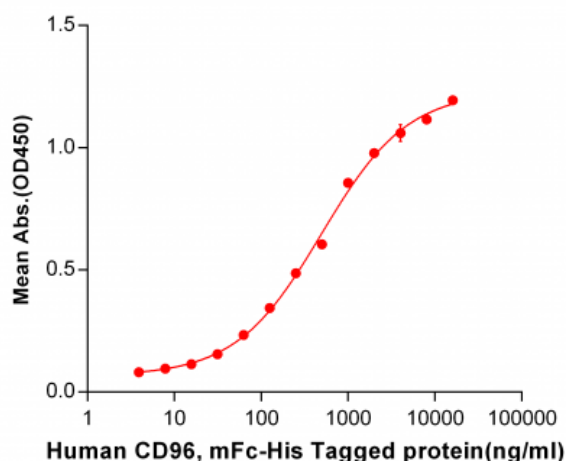


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human CD96, mFc-His tagged protein (11156) can bind Human CD155, hFc tagged protein 11293 in a linear range of 62.5-4000 ng/ml.