

HUMAN TROP2 PROTEIN, MFC-HIS TAG

Cat.#: 11304

Product Name: Human Trop2 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: TACSTD2;A733-1;IS1;ROP2

Target: Trop2

UNIPROT ID: P09758

Description: Recombinant human Trop2 protein with C-terminal mouse Fc and 6xHis tag

Background: This intronless gene encodes a carcinoma-associated antigen. This antigen is a cell surface receptor that transduces calcium signals. Mutations of this gene have been associated with gelatinous drop-like corneal dystrophy.

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 54.9 kDa after removal of the signal peptide. The apparent molecular mass of Trop2-mFc-His is approximately 55-70 kDa due to glycosylation.

Molecular Characterization: Trop2(His27-Thr274) 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.

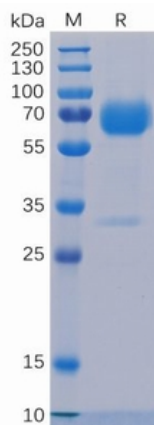


Figure 1. Human Trop2 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

Human Trop2, mFc-His Tagged protein ELISA

0.2 µg of Trop2, mFc-His Tagged protein per well

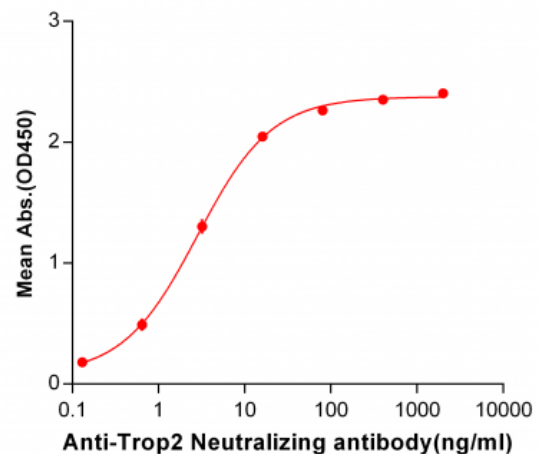


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human Trop2, mFc-His tagged protein (11304) can bind Anti-Trop2 Neutralizing antibody 28032 in a linear range of 0.13-16.0 ng/ml.