PRODUCT INFORMATION

Target	Trop2
Synonyms	TACSTD2;GA733-1;M1S1;TROP2
Description	Recombinant human Trop2 protein with C-terminal mouse Fc and 6×His tag
Delivery	In Stock
Uniprot ID	P09758
Expression Host	HEK293
Tag	C-Mouse Fc and 6×His Tag
Molecular Characterization	Trop2(His27-Thr274) mFc(Pro99-Lys330) 6×His tag
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.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
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.
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.
Usage	Research use only
Conjugate	Unconjugated

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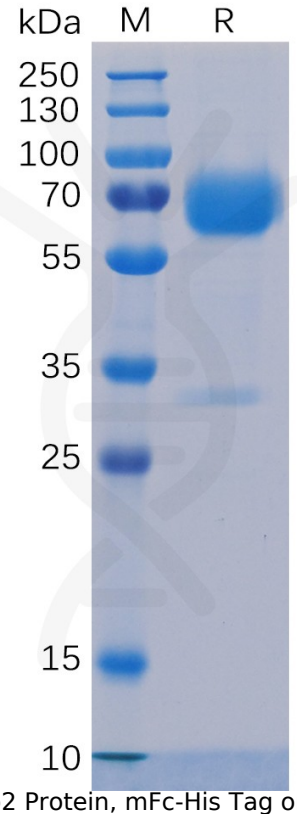


Figure 1. Human Trop2 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

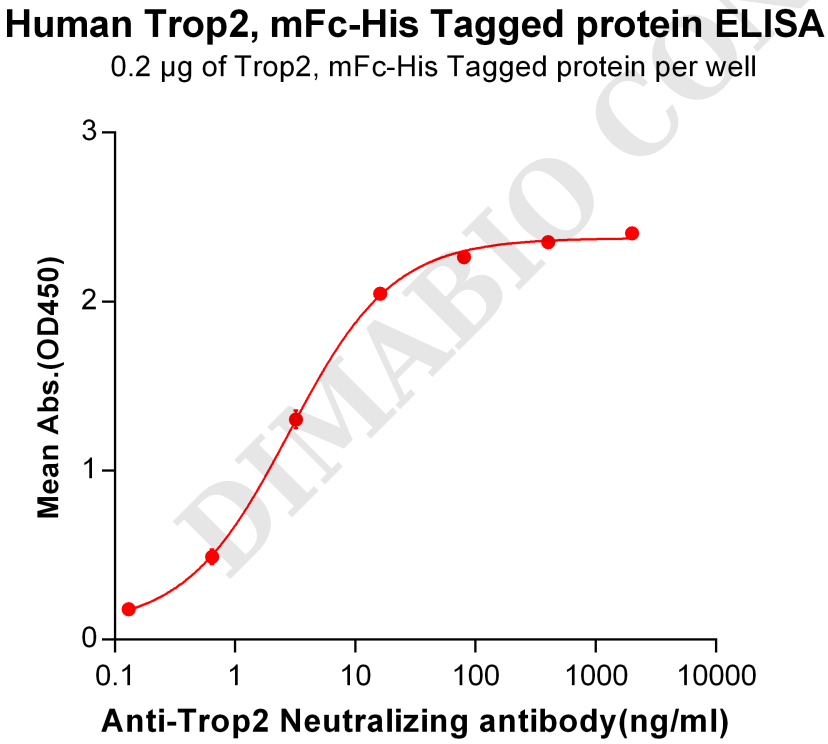


Figure 2. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human Trop2, mFc-His tagged protein (PME100501) can bind Anti-Trop2 Neutralizing antibody BME100023 in a linear range of 0.13-16.0 ng/ml.

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