PRODUCT INFORMATION

Target	Trop2
Synonyms	Tpm-2;Trop-2
Description	Recombinant mouse Trop2 protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q8BGV3
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	Mouse Trop2(Gln25-Gly270) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 54.1 kDa after removal of the signal peptide.The apparent molecular mass of mTrop2-hFc 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 gene belongs to the tropomyosin family which encodes proteins that bind to actin filaments and stabilize them by regulating access to actin modifying proteins. The encoded protein is a high molecular weight tropomyosin expressed in slow skeletal muscle. In humans, mutations in this gene are associated with nemaline myopathy, cap disease and distal arthrogryposis syndromes. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2013]
Usage	Research use only
Conjugate	Unconjugated

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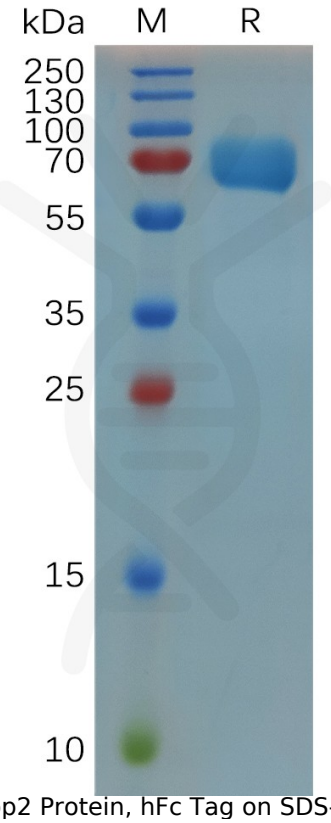


Figure 1. Mouse Trop2 Protein, hFc Tag on SDS-PAGE under reducing condition.

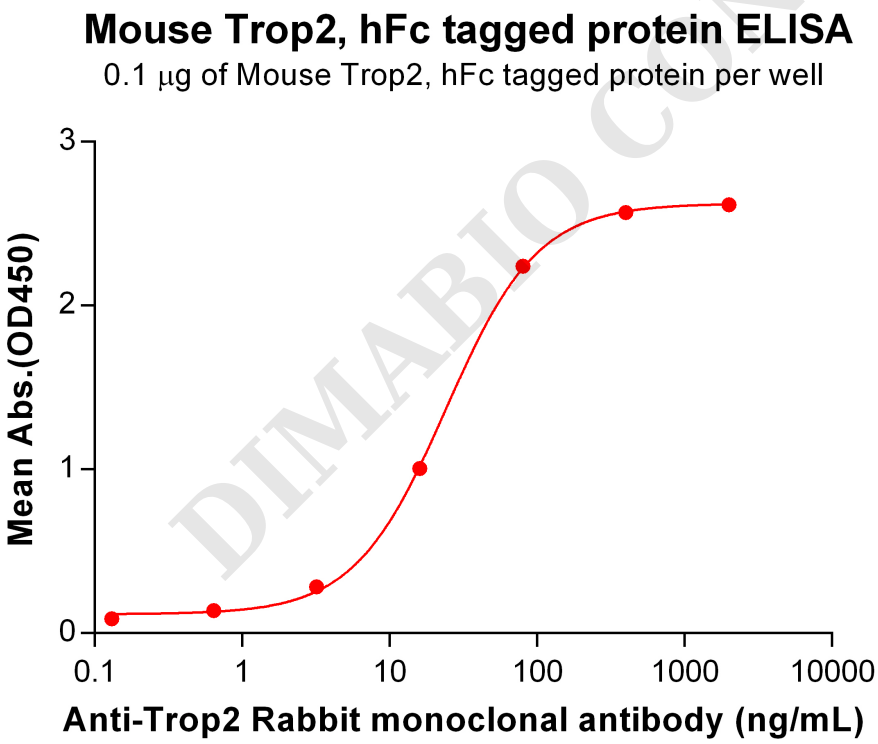


Figure 2. ELISA plate pre-coated by 1 μg/ml (100 μl/well) Mouse Trop2 Protein, hFc Tag (PME-M100013) can bind anti-Trop2 monoclonal antibody DME100075 in a linear range of 0.64-80 ng/mL.

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