

**PRODUCT INFORMATION**

<b>Target</b>	Trop2
<b>Synonyms</b>	Tpm-2;Trop-2
<b>Description</b>	Recombinant mouse Trop2 protein with C-terminal human Fc tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q8BGV3
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Human Fc Tag
<b>Molecular Characterization</b>	Mouse Trop2(Gln25-Gly270) hFc(Glu99-Ala330)
<b>Molecular Weight</b>	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.
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	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.
<b>Storage&amp;Shipping</b>	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.
<b>Sterility</b>	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
<b>Background</b>	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]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



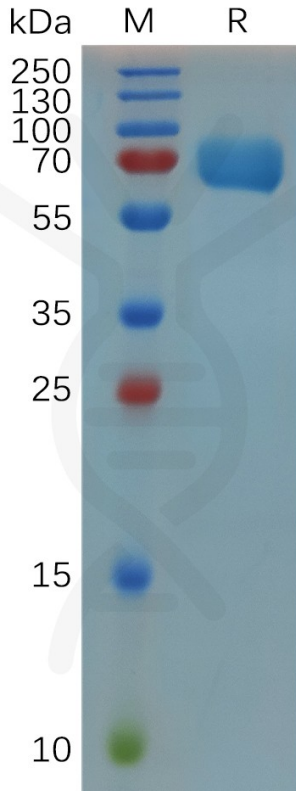


Figure 1. Mouse Trop2 Protein, hFc Tag on SDS-PAGE under reducing condition.

### Mouse Trop2, hFc tagged protein ELISA

0.1  $\mu\text{g}$  of Mouse Trop2, hFc tagged protein per well

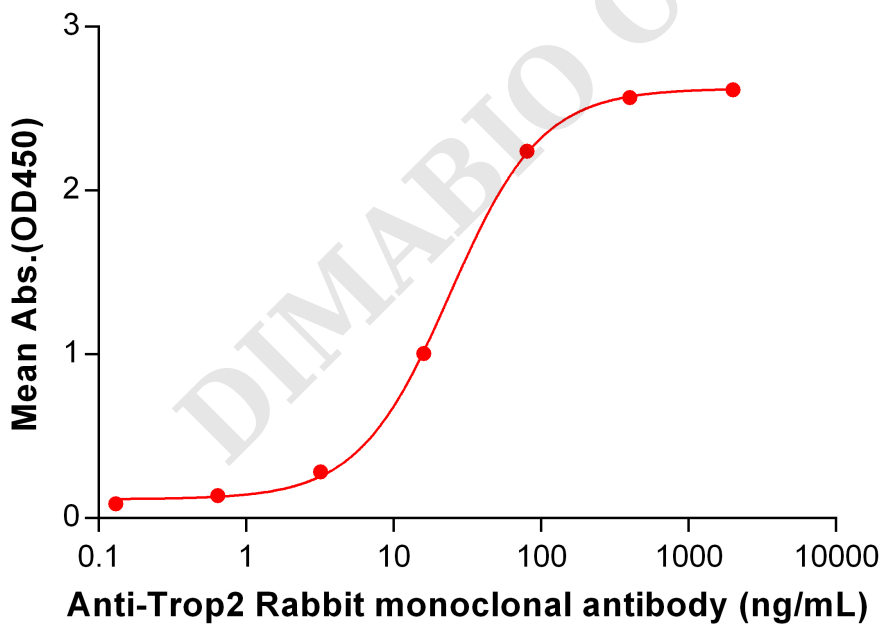


Figure 2. ELISA plate pre-coated by 1  $\mu\text{g}/\text{ml}$  (100  $\mu\text{l}/\text{well}$ ) Mouse Trop2 Protein, hFc Tag (PME-M100013) can bind anti-Trop2 monoclonal antibody DME100075 in a linear range of 0.64-80 ng/mL.

