

MOUSE TROP2 PROTEIN, HFC TAG

货号: 12137

产品全名: Mouse Trop2 蛋白

规格: 10/50/100 µg

基因符号 Tpm-2;Trop-2

目标蛋白: Trop2

UNIPROT ID: Q8BGV3

描述: Recombinant mouse Trop2 protein with C-terminal human Fc tag

背景: 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 arthrogyrosis syndromes. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2013]

物种/宿主: HEK293

分子量: 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.

分子特征: Mouse Trop2(Gln25-Gly270) hFc(Glu99-Ala330)

纯化: 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.

储存和运输: 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. Mouse Trop2 Protein, hFc Tag on SDS-PAGE under reducing condition.

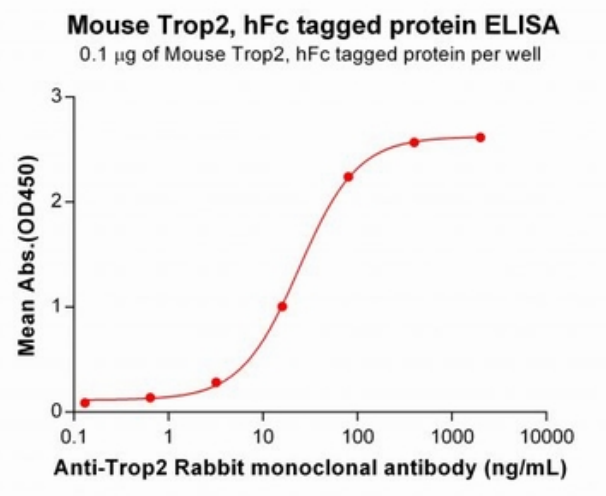


Figure 2. ELISA plate pre-coated by 1 µg/ml (100 µl/well) Mouse Trop2 Protein, hFc Tag (12137) can bind anti-Trop2 monoclonal antibody 28391 in a linear range of 0.64-80 ng/mL.