

Datasheet for ABIN7092858

TACSTD2 Protein (AA 25-270) (Fc Tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	TACSTD2
Protein Characteristics:	AA 25-270
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TACSTD2 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant mouse Trop2 protein with C-terminal human Fc tag
Specificity:	Mouse Trop2 (Gln25-Gly270) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	TACSTD2
Alternative Name:	Trop2 (TACSTD2 Products)
Background:	This gene belongs to the tropomyosin family which encodes proteins that bind to actin

Target Details

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]

Molecular Weight: predicted molecular mass of 54.1 kDa after removal of the signal peptide. The apparent molecular mass of mTrop2-hFc is 55-70 kDa due to glycosylation.

UniProt: [Q8BGV3](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

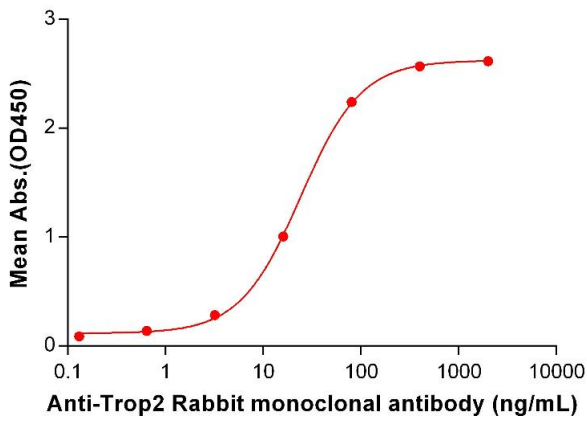
Storage: -20 °C, -80 °C

Storage Comment: 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.

Expiry Date: 12 months

Mouse Trop2, hFc tagged protein ELISA

0.1 µg of Mouse Trop2, hFc tagged protein per well



ELISA

Image 1. ELISA plate pre-coated by 1 µg/mL (100 µL/well) Mouse Trop2 Protein, hFc Tag (ABIN7092858, ABIN7272482 and ABIN7272483) can bind anti-Trop2 monoclonal antibody ABIN7092876, ABIN7272718 and ABIN7289707 in a linear range of 0.64-80 ng/mL.

SDS-PAGE

Image 2. Mouse Trop2 Protein, hFc Tag on SDS-PAGE under reducing condition.