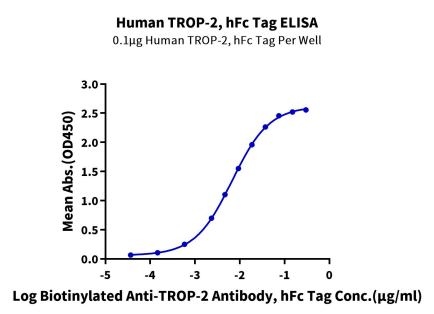
Bioactive CellTx™ HuPro®

TACSTD2 (Human) Recombinant Protein

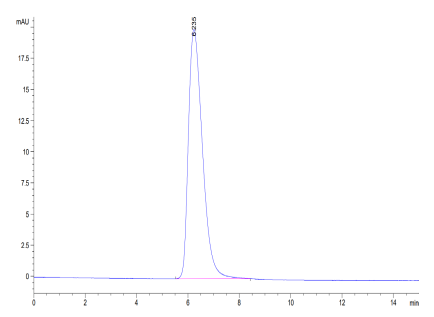
Catalog # P10271 Size 100 ug

Applications



Enzyme-linked Immunoabsorbent Assay

Immobilized Human TROP-2, hFc Tag at 1 ug/ml (100 ul/Well) on the plate. Dose response curve for Biotinylated Anti-TROP-2 Antibody, hFc Tag with the EC_{50} of 6.7 ng/ml determined by ELISA.



SEC-HPLC

The purity of Human TROP-2 is greater than 95% as determined by SEC-HPLC.

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Tris-Bis PAGE

Human TROP-2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description	Human TACSTD2 (P09758, His27-Thr274) partial recombinant protein with hFc tag at C-terminus ex pressed in HEK293 cells.
Sequence	His27-Thr274
Host	Human
Theoretical MW (kDa)	54.6
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Quality Control Testing	SEC-HPLC SEC-HPLC The purity of Human TROP-2 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human TROP-2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

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Recommend Usage	Biological Activity ELISA SEC-HPLC Tris-Bis PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from filtered solution in PBS, pH 7.4 (5% trehalose).
Storage Instruction	After reconstitution with deionized water to a final concentration more than 100 ug/ml, store at 4°C for 1 week. For long term storage, store at -80°C for 1 year. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay

  Immobilized Human TROP-2, hFc Tag at 1 ug/ml (100 ul/Well) on the plate. Dose response curve for Biotinylated Anti-TROP-2 Antibody, hFc Tag with the EC_{50} of 6.7 ng/ml determined by ELISA.

Gene Info — TACSTD2

Entrez GeneID	4070
Protein Accession#	P09758
Gene Name	TACSTD2
Gene Alias	EGP-1, GA733, GA733-1, M1S1, TROP2
Gene Description	tumor-associated calcium signal transducer 2
Omim ID	137290 204870
Gene Ontology	Hyperlink
Gene Summary	This intronless gene encodes a carcinoma-associated antigen defined by the monoclonal antibody GA733. This antigen is a member of a family including at least two type I membrane proteins. It transduces an intracellular calcium signal and acts as a cell surface receptor. Mutations of this gene result in gelatinous drop-like corneal dystrophy, an autosomal recessive disorder characterized by severe corneal amyloidosis leading to blindness. [provided by RefSeq
Other Designations	OTTHUMP00000011755|epithelial glycoprotein-1|membrane component, chromosome 1, surface marker 1 (40kD glycoprotein, identified by monoclonal antibody GA733)

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