Tumor-associated Calcium Signal Transducer 2/TROP-2 Active Protein | TROP-2 active protein

Recombinant Human Tumor-associated Calcium Signal Transducer 2/TROP-2 (248AA, C-Fc)

CATALOG #	HOST
AAA177964	**Human Cells**

PRODUCT SYNONYMS

Tumor-associated Calcium Signal Transducer 2/TROP-2; Recombinant Human Tumor-associated Calcium Signal Transducer 2/TROP-2 (248AA; C-Fc); Tumor-associated calcium signal transducer 2; Membrane component chromosome 1 surface marker 1; Cell surface glycoprotein Trop-2; TACSTD2; TROP2; TROP-2 active protein

PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	>95% as determined by reducing SDS-PAGE
Form/Format	Lyophilized from a 0.2um filtered solution of PBS, pH7.4.
Sequence	His27-Thr2 74
Species	Human
Tag	C-Fc
Endotoxin	<1.0EU per ug as determined by the LAL method.
Protein Construction	Recombinant Human Tumor-associated Calcium Signal Transducer 2 is produced by our Mammalian expression system and the target gene encoding His27-Thr274 is expressed with a Fc tag at the C-terminus.
Activity	Immobilized Human TROP-2-Fc at 2ug/ml (100ul/well) can bind Anti-Human TROP-2 mAb*.*: Biotinylated by NHS-biotin prior to testing. The ED50 of Anti-Human TROP-2 mAb* is 20.54ng/ml.
Preparation and Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months. This product is provided as lyophilized powder which is shipped with ice packs.

IMAGES

Bioactivity

SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for TROP-2 active protein	Tumor associated calcium signal transducer 2 (TACSTD2, TROP-2) is a type I cell surface glycoprotein that is highly expressed on human carcinomas. It was originally identified as an antigen present on human gastrointestinal tumors and is the second of two members of this family. Human and mouse TROP-2 share 87% amino acid (aa) similarity. TROP-2 is capable of transducing an intracellular calcium signal and may play a role in tumor growth. It also has adhesive functions.

NCBI AND UNIPROT INFORMATION

NCBI GI #	166795236
NCBI GeneID	4070
NCBI Accession #	NP_002344.2
NCBI GenBank Nucleotide #	NM_002353.2
UniProt Accession #	P09758; Q15658; Q6FG48; Q7Z7Q4; Q96QD2
Molecular Weight	35,709 Da
NCBI Official Full Name	tumor-associated calcium signal transducer 2
NCBI Official Synonym Full Names	tumor-associated calcium signal transducer 2
NCBI Official Symbol	TACSTD2
NCBI Official Synonym Symbols	EGP1; GP50; M1S1; EGP-1; TROP2; GA7331; GA733-1
NCBI Protein Information	tumor-associated calcium signal transducer 2; epithelial glycoprotein-1; cell surface glycoprotein TROP2; cell surface glycoprotein Trop-2; pancreatic carcinoma marker protein GA7331; pancreatic carcinoma marker protein GA733-1; gastrointestinal tumor-ass
UniProt Protein Name	Tumor-associated calcium signal transducer 2
UniProt Gene Name	**TACSTD2**
UniProt Synonym Gene Names	GA733-1; M1S1; TROP2
UniProt Entry Name	TACD2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/human-cells-active-protein/tumor-associated-calcium-signal-transducer-2-trop-2/177964