

Human TROP-2/TACSTD2/TACD2 ELISA Kit | TROP-2/TACSTD2/TACD2 elisa kit

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CATALOG #
AAA258364

REACTIVITY
Human

PRODUCT SYNONYMS

TROP-2/TACSTD2/TACD2; Human TROP-2/TACSTD2/TACD2 ELISA Kit; TROP2 ELISA Kit; Human; tumor-associated calcium signal transducer 2; EGP-1 ELISA Kit; EGP1 ELISA Kit; GA733-1 ELISA Kit; GA7331 ELISA Kit; GP50 ELISA Kit; M1S1 ELISA Kit; TACD2 ELISA Kit; TROP-2 ELISA Kit; TROP-2/TACSTD2/TACD2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human TROP-2/TACSTD2/TACD2 concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	23.44-1500pg/mL
Sensitivity	7.23pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

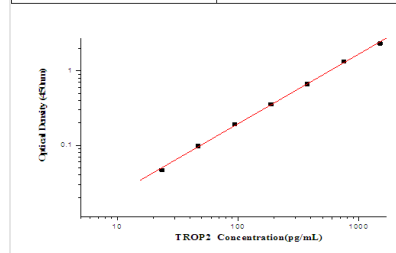
IMAGES

Recombinant human			
IL-1	IL-2	IL-33	IL-10
IL-8	TNF- α	IL-4	IL-6
IFN- γ	MIP-1 β	TIMP-1	TIMP-2
GM-CSF	SCF	PDGF	VEGF

Application Data

This assay recognizes both recombinant and natural Human TROP2. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
23.44	0.047
46.88	0.098
93.75	0.193
187.5	0.357
375	0.663
750	1.334
1500	2.318



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for TROP-2/TACSTD2/TACD2 elisa kit	This TROP2 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human TROP2 protein in Serum. It contains recombinant Human TROP2, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: TROP-2, also referred to as tumor-associated calcium signal transducer 2 (TACSTD2), GA733-1 or M1S1, is a cell surface glycoprotein highly expressed in a wide variety of epithelial cancers. In contrast, there is little or no expression of Trop-2 in adult somatic tissue. Because it is a cell surface protein that is selectively expressed in tumor cells, Trop-2 is a potential therapeutic target. The cytoplasmic tail of Trop-2 possesses potential serine and tyrosine phosphorylation sites and a phosphatidyl-inositol binding consensus sequence. Trop-2 transduces an intracellular calcium signal, which are consistent with the hypothesis that it acts as a cell surface receptor and support a search for a physiological ligand. TROP2 encoding by an intronless gene was originally defined by the monoclonal antibody GA733, and is a member of a family of at least two type I membrane proteins. The other known member is GA733-2, also called EpCAM and TROP1. It has been suggested by studies that the GA733-1 gene was formed by the retroposition of the GA733-2 gene via an mRNA intermediate.
References	Ripani E, et al. (1998) Human Trop-2 is a tumor-associated calcium signal transducer. Int J Cancer. 76(5): 671-6. Wang J, et al. (2008) Identification of Trop-2 as an oncogene and an attractive therapeutic target in colon cancers. Mol Cancer Ther. 7(2): 280-5.

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-elisa-kits/trop-2-tacstd2-tacd2/258364>