

Mouse anti-Human TROP2 Monoclonal Antibody | anti-TACSTD2 antibody

Anti-TROP2 Antibody, Mouse Monoclonal

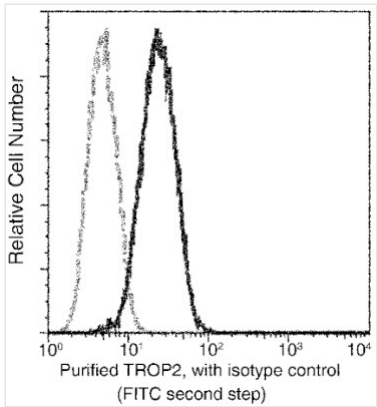
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254917	Mouse	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, ELISA

PRODUCT SYNONYMS

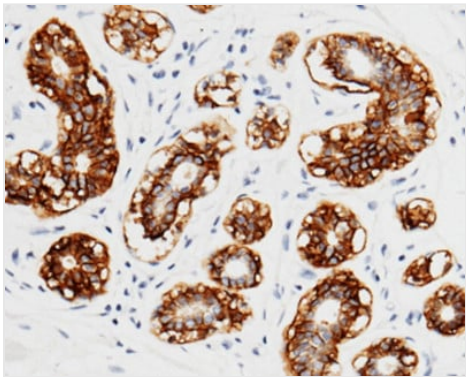
TROP2; Monoclonal Antibody; Anti-TROP2 Antibody; Mouse Monoclonal; TROP2/TACSTD2 Antibody; Mouse MAb; tumor-associated calcium signal transducer 2; Anti-EGP-1 Antibody; Anti-EGP1 Antibody; Anti-GA733-1 Antibody; Anti-GA7331 Antibody; Anti-GP50 Antibody; Anti-M1S1 Antibody; Anti-TACD2 Antibody; Anti-TROP-2 Antibody; anti-TACSTD2 antibody

PRODUCT SPECIFICATIONS

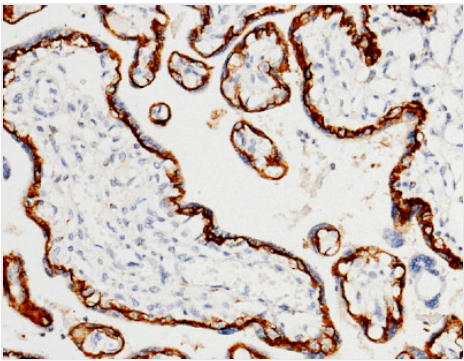
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	01
Specificity	Human TROP2/TACSTD2. No cross-reactivity in ELISA with: Human BCAM/CD239 Human VCAM1/CD106 Human ICAM1/CD54 Human CD146/MCAM/MUC18 Human CD171/NCAML1/L1CAM Human Cadherin-1/E-cadherin/CDH1/CD324
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-TACSTD2 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, ELISA
Immunogen	Recombinant Human TROP2 protein (Catalog#)
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human TROP2 extracellular domain (rh TROP2). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles. Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly.



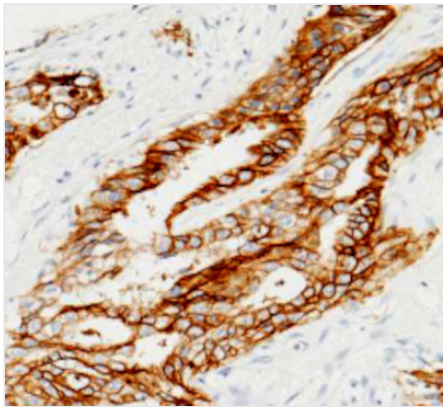
FCM/FACS (Flow Cytometry)
Flow cytometric analysis of human TROP2 expression on MCF-7 cells. Cells were stained with purified anti-Human TROP2, then a FITC-conjugated second step antibody. The histogram were derived from gated events with the forward and side light-scatter characteristics of intact cells.



IHC (Immunohistochemistry)
Immunochemical staining of human TROP2 in human mammary gland with mouse monoclonal antibody (1:200, formalin-fixed paraffin embedded sections). Positive staining was localized to membrane of alveolus epithelium.



IHC (Immunohistochemistry)
Immunochemical staining of human TROP2 in human placenta with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections). Positive staining was localized to membrane of cytotrophoblast.



IHC (Immunohistochemistry)
Immunochemical staining of human TROP2 in human rectal cancer with mouse monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Product Categories/Family for anti-TACSTD2 antibody	Cancer Drug Targets
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.

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
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://www.aaabiotech.com/monoclonal/trop2-antibody-clone-01-flow-cytometry-immunohistochemistry-elisa/254917>