

## Mouse anti-Human TACSTD2/TROP-2 Monoclonal Antibody | anti-TACSTD2/TROP-2 antibody

Anti-human TACSTD2/TROP-2 Monoclonal Antibody

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                            |
|-----------|-------|------------|-----------------------------------------|
| AAA60786  | Mouse | Human      | Immunocytochemistry, Immunofluorescence |

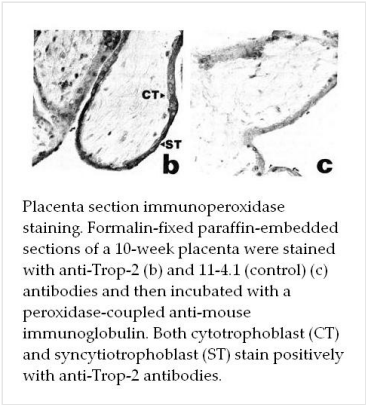
### PRODUCT SYNONYMS

TACSTD2/TROP-2; Monoclonal Antibody; Anti-human TACSTD2/TROP-2 Monoclonal Antibody; Anti-human TACSTD2/TROP-2 Monoclonal; anti-TACSTD2/TROP-2 antibody

### PRODUCT SPECIFICATIONS

|                                                          |                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                     | Mouse                                                                                                                                                                                                                                                                                      |
| Reactivity                                               | Human                                                                                                                                                                                                                                                                                      |
| Clonality                                                | Monoclonal                                                                                                                                                                                                                                                                                 |
| Isotype                                                  | IgG1 (Igh-4a allotype)                                                                                                                                                                                                                                                                     |
| Specificity                                              | The antibody defines TROP-2 that is expressed on trophoblasts and choriocarcinoma cells but not on blood cells or other tumor cells.                                                                                                                                                       |
| Purity/Purification                                      | Affinity purified                                                                                                                                                                                                                                                                          |
| Form/Format                                              | Liquid                                                                                                                                                                                                                                                                                     |
| Concentration                                            | 100ug/100ul (varies by lot)                                                                                                                                                                                                                                                                |
| Sequence Length                                          | 2080                                                                                                                                                                                                                                                                                       |
| Applicable Applications for anti-TACSTD2/TROP-2 antibody | ICC (Immunocytochemistry), IF (Immunofluorescence)                                                                                                                                                                                                                                         |
| Immunogen                                                | Human choriocarcinoma cell line BeWo                                                                                                                                                                                                                                                       |
| Antibody Type                                            | Primary Antibody                                                                                                                                                                                                                                                                           |
| Storage Buffer                                           | PBS, pH 7.4 with 0.02% sodium azide.                                                                                                                                                                                                                                                       |
| Preparation and Storage                                  | This product is stable for several weeks at 4 degree C as an undiluted liquid. Dilute only prior to immediate use. For extended storage, aliquot contents and freeze at -20 degree C or below. Avoid cycles of freezing and thawing. Expiration date is one (1) year from date of receipt. |

IMAGES



IHC (Immunohistochemistry)

ADDITIONAL INFORMATION

|                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-TACSTD2/TROP-2 antibody | Tumor-associated calcium signal transducer 2, 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. Clone #: 162-46.2 |
| References                                                   | Lipinski M, et al. Human trophoblast cell-surface antigens defined by monoclonal antibodies. Proc. Natl. Acad. Sci. USA 78: 5147-5150, 1981.                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 166795235                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 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          | Homo sapiens tumor-associated calcium signal transducer 2 (TACSTD2), mRNA                                                                                                                                                                                                                                                                                                                                                                               |
| 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-associated antigen GA7331; membrane component chromosome 1 surface marker 1; membrane component, chromosome 1, surface marker 1; 40kD glycoprotein, identified by monoclonal antibody GA733 |
| 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/monoclonal/tacstd2-trop-2-antibody-immunocytochemistry-immunofluorescence-elisa/60786>