

Datasheet for ABIN2689944
anti-TACSTD2 antibody



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Overview

Quantity:	0.1 mg
Target:	TACSTD2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Brand:	BD Pharmingen™
Immunogen:	Human BeWo (choriocarcinoma) Cell Line
Clone:	162
Isotype:	IgG1 kappa
Characteristics:	Trop-2/GA733-1 is a cell surface glycoprotein that was originally identified on human trophoblast and choriocarcinoma cell lines and has been shown to be expressed in most human carcinomas. Trop-2 has been cloned and shown to encode a type-1 transmembrane protein with a single transmembrane domain. Furthermore, research has shown Trop-2 to be involved in the transduction of an intracellular calcium signal, although the exact physiological mechanism has yet to be elucidated. Flow cytometric analysis of Trop-2. MCF7 cells (Human breast adenocarcinoma, ATCC HTB-22) were incubated with 0.25 µg of the Purified Mouse Anti-Human Trop-2 antibody (clone 162-46, shaded) or with a mouse IgG1 isotype control (Cat. No. 555746, unshaded) in BD Pharmingen™ Stain Buffer (Cat. No.554656) for 1 hr on ice. Cells were washed twice in Stain Buffer and incubated with 1 µg of a FITC Goat Anti-Mouse Ig secondary

Product Details

antibody (Cat. No.554001) in Stain Buffer for 1 hr on ice. Cells were washed twice and analyzed by flow cytometry.

BD Pharmingen™ Purified Mouse Anti-Human Trop-2 - Purified - Clone 162-46 - Isotype Mouse IgG1, κ - Reactivity Hu - 0.1 mg

Purification: The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target: TACSTD2

Alternative Name: Trop-2 ([TACSTD2 Products](#))

Background: Synonyms: GA733-1

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

Buffer: Aqueous buffered solution containing ≤0.09 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: Store undiluted at 4°C.

Publications

Product cited in: Bobos, Kotoula, Kaloutsi, Karayannopoulou, Papadimitriou, Kostopoulos: "Aberrant CCND1 copies and cyclin D1 mRNA expression do not result in the production of functional cyclin D1 protein in anaplastic large cell lymphoma." in: **Histology and histopathology**, Vol. 24, Issue 8, pp. 1035-48, (2009) ([PubMed](#)).

Ripani, Sacchetti, Corda, Alberti: "Human Trop-2 is a tumor-associated calcium signal transducer." in: **International journal of cancer. Journal international du cancer**, Vol. 76, Issue 5, pp. 671-6, (1998) ([PubMed](#)).

Fornaro, DellArciprete, Stella, Bucci, Nutini, Capri, Alberti: "Cloning of the gene encoding Trop-2, a cell-surface glycoprotein expressed by human carcinomas." in: **International journal of cancer. Journal international du cancer**, Vol. 62, Issue 5, pp. 610-8, (1995) ([PubMed](#)).

Lipinski, Parks, Rouse, Herzenberg: "Human trophoblast cell-surface antigens defined by monoclonal antibodies." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 78, Issue 8, pp. 5147-50, (1982) ([PubMed](#)).