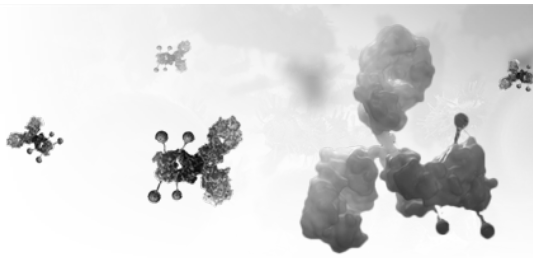

Mouse Anti-Human TROP2 monoclonal antibody, clone NN13 (CABT-ZB734)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human TROP2 It has 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.
Target	TACSTD2
Immunogen	Recombinant Human TROP2 protein
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	NN13
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap), IHC-P, ICC/IF We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB734 - CABT-ZB1053 This antibody will detect TROP2 in antibody pair set. [ABPR-ZB314]
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. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 200 µL, 1 mL
Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-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.
Ship	Wet ice

BACKGROUND

Introduction	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.
Keywords	TACSTD2; tumor-associated calcium signal transducer 2; EGP1; GP50

GENE INFORMATION

Synonyms	TACSTD2; tumor-associated calcium signal transducer 2; EGP1; GP50; M1S1; EGP-1; TROP2; GA7331; GA733-1; 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
Entrez Gene ID	4070

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
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UniProt ID	P09758

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Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221