

Anti-Trop-2/TACSTD2 (Extracellular region) Antibody

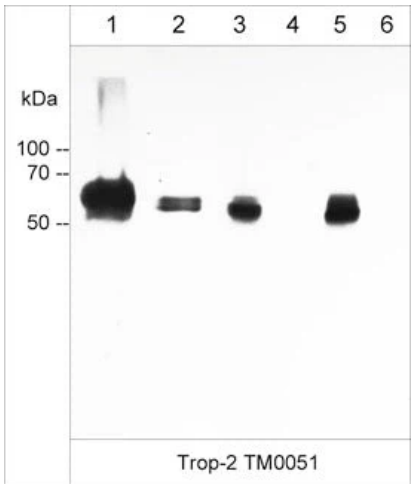


Product Details

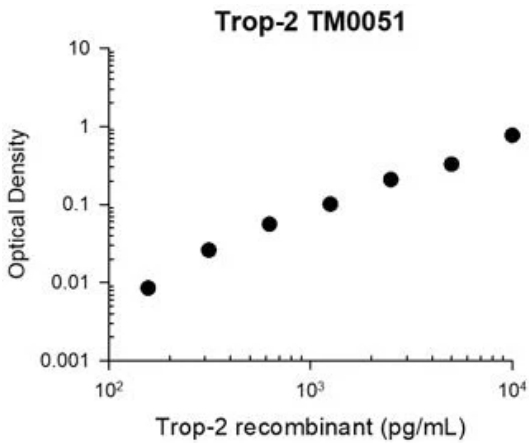
Available Variants	100 µL (SKU:TM0051)
Conjugate	Unconjugated
Isotype	IgG1
Clone	M005
Gene Name	TACSTD2
Host Species	Mouse
Format	Protein G Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Applications	ELISA, ICC, IP, WB
Dilution Ranges	WB: 1:1000 ICC: 1:100 IP: 1:100
Species Reactivity	Human
Immunogen	Clone M005 was generated from a proprietary antigen related to the extracellular region of human Trop-2 from the A431 epidermoid carcinoma cell line.
Specificity	Clone M005 detects a 50-65 kDa* band corresponding to the molecular mass of Trop-2 on SDS-PAGE immunoblots of native human A431, MDA-MB-231, and MCF-7 cell lysates. The antibody also detects denatured Trop-2, but with less affinity. Lower dilutions of the antibody should be used for denatured western blot. Clone M005 can be used for western blot, immunocytochemistry, ELISA, and immunoprecipitation, as well as for detecting live unfixed cells.
Molecular Weight	50-65

Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	P09758
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.

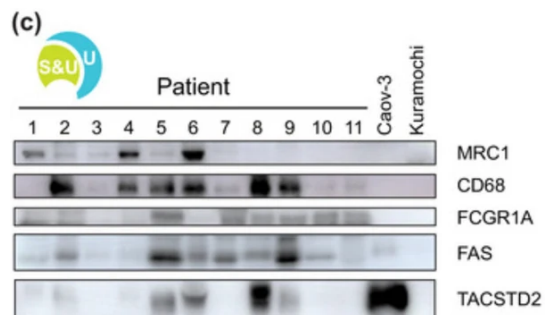
Product Images



Immunocytochemical labeling of Trop-2 in paraformaldehyde fixed human A431 cells. The cells were labeled with mouse monoclonal anti-Trop-2 (clone M005). The antibody was detected using goat anti-mouse DyLight® 594.



Representative Standard Curve using mouse monoclonal anti-Trop-2 (TM0051) for ELISA capture of human recombinant Trop-2 extracellular region with His-tag. Capture was detected by using an anti-His-tag antibody followed by appropriate secondary antibody conjugated to HRP.



Western blotting for selected HGSC-specific EV-associated proteins on U fractions of 11 patients and Caov-3 and Kuramochi HGSC cell lines. Caov-3 and Kuramochi cells are used as negative controls for macrophage markers MRC1, CD68, and FCGR1A. For TACSTD2 (Cat. TM0051, 1:500), Caov-3 serves as a positive control, while Kuramochi serves as a negative control. Image from publication CC-BY-4.0.

[PMID: 38490958](#)

Product Page URL: www.antibodiesinc.com/products/anti-trop-2-tacstd2-extracellular-region-antibody-tm0051



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