

## TACSTD2 / TROP2 (Epithelial Marker) Antibody

Mouse Monoclonal Antibody [Clone TACSTD2/2151]

Catalog No	Format	Size
4070-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4070-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4070-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

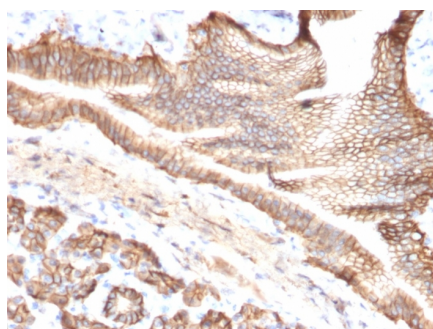
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

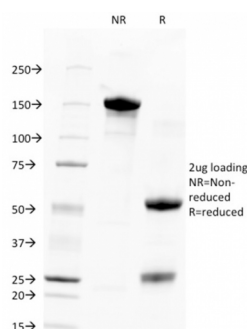
<b>Clone</b>	TACSTD2/2151
<b>Gene Name</b>	TACSTD2
<b>Immunogen</b>	Recombinant fragment of human TACSTD2 protein (around aa 31-274) (exact sequence is proprietary)
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2b / Kappa
<b>Mol. Weight of Antigen</b>	40kDa
<b>Cellular Localization</b>	Cell surface, Membrane
<b>Species Reactivity</b>	Guinea Pig, Hamster, Human, Mouse, Rabbit, Rat
<b>Positive Control</b>	A-431, MCF7, HT29 cells. Human Skin, breast or colon carcinoma.

\*Optimal dilution for a specific application should be determined.

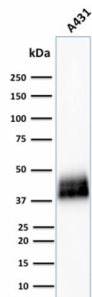
### Product Images for TACSTD2 / TROP2 (Epithelial Marker) Antibody



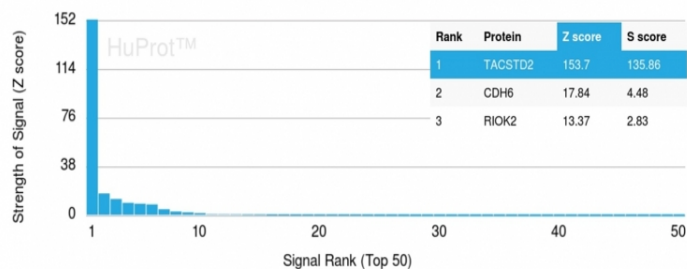
Formalin-fixed, paraffin-embedded human pancreatic carcinoma stained with TACSTD2 / TROP2 Mouse Monoclonal Antibody (TACSTD2/2151).



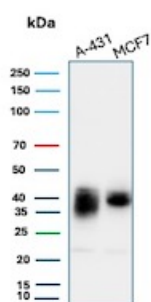
SDS-PAGE Analysis Purified TACSTD2 Mouse Monoclonal Antibody (TACSTD2/2151). Confirmation of Integrity and Purity of Antibody.



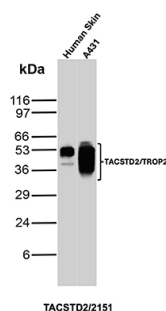
Western Blot Analysis of human A431 cell lysate using TACSTD2 / TROP2 Mouse Monoclonal Antibody (TACSTD2/2151).



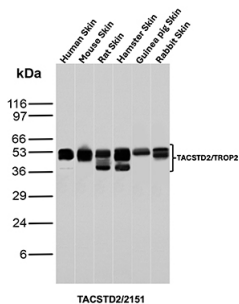
Analysis of Protein Array containing >19,000 full-length human proteins using TACSTD2 Mouse Monoclonal Antibody (TACSTD2/2151) Z- and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



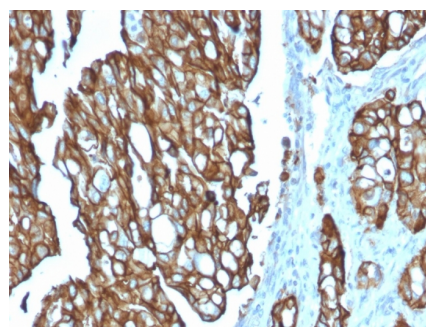
Western blot analysis of A-431 and MCF7 cell lysates using TACSTD2 / TROP2 (Epithelial Marker) Mouse Monoclonal Antibody (TACSTD2/2151).



Western blot analysis of Human skin and A-431 lysates using TACSTD2 / TROP2 (Epithelial Marker) Mouse Monoclonal Antibody (TACSTD2/2151).



Western blot analysis of Human skin, Mouse skin, Rat skin, Hamster skin, Guinea pig skin and Rabbit skin tissue lysates using TACSTD2 / TROP2 (Epithelial Marker) Mouse Monoclonal Antibody (TACSTD2/2151).



Formalin-fixed, paraffin-embedded human colon carcinoma stained with TACSTD2 / TROP2 Mouse Monoclonal Antibody (TACSTD2/2151).

## Specificity & Comments

TACSTD2 is a cell surface glycoprotein receptor. It is a single pass type I membrane protein containing one thyroglobulin type-1 domain, an epidermal growth factor-like repeat, a phosphatidylinositol binding site and tyrosine phosphorylation sites near the C-terminus. It plays a role in transducing intracellular calcium signals. It is expressed in trophoblast cells, cornea and multi-stratified epithelia. It is also highly expressed in several types of tumors and is involved in regulating the growth of carcinoma cells.

## Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

## Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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