Catalog # 201633-MSM4
Product Datasheet

TIGIT / VSTM3 / VSIG9 (Immune Checkpoint for Cancer) Antibody

Mouse Monoclonal Antibody [Clone TIGIT/3034]

Catalog No	Format	Size
201633-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug
201633-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
201633-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug

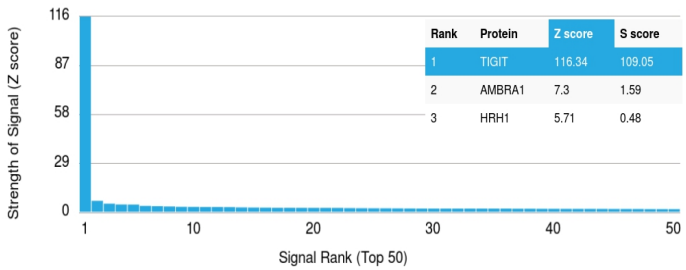
Applications	Tested Dillution	Note

Product Details

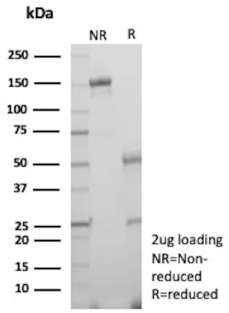
Clone	TIGIT/3034
Gene Name	TIGIT
Immunogen	Recombinant full-length human TIGIT protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2 / Kappa
Mol. Weight of Antigen	26kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	Molt-4 cells. Human prostate or colon carcinoma.

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

Product Images for TIGIT / VSTM3 / VSIG9 (Immune Checkpoint for Cancer) Antibody



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing TIGIT Mouse Monoclonal Antibody (TIGIT/3034). 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 HuProtTM 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 HuProtTM 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 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.



SDS-PAGE Analysis of Purified TIGIT Mouse Monoclonal Antibody (TIGIT/3034). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

TIGIT is a checkpoint inhibitor which binds with high affinity to the poliovirus receptor (PVR), causing increased IL10 secretion, decreased IL12B secretion. TIGIT binding to PVR also causes the suppression of T cell activation by promoting the generation of mature immuno-regulatory dendritic cells. It is expressed at low levels on natural killer (NK) cells, as well as peripheral memory and regulatory CD4+ T cells. At the protein level, it is upregulated following the activation of these cells. Functionally, TIGIT is similar to CTLA4. The ligands for TIGIT include CD155 (signal abrogation) and CD226 (signal stimulation). It has been demonstrated to be upregulated on T cells in many cancers and is an immuno-oncology target for therapy.

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.

Research Areas

Hematopoietic Stem Cells, Immune checkpoint, Infectious Disease, Transcription Factors

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.