

Product Datasheet

TIGIT Antibody (TIGIT/3017)

NBP2-79793-100ug

Unit Size: 100 ug

Store at 4C.

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NBP2-79793-100ug

TIGIT Antibody (TIGIT/3017)

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	TIGIT/3017
Preservative	0.05% Sodium Azide
Isotype	IgG2c Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	26 kDa

Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-79927) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	201633
Gene Symbol	TIGIT
Species	Human
Immunogen	Recombinant fragment (around aa 22-141) of human TIGIT protein (exact sequence is proprietary) (Uniprot: Q4951)

Product Application Details	
Applications	Simple Western, ELISA, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array
Recommended Dilutions	Simple Western reported by internal validation, Flow Cytometry 1-2 ug/million cells, ELISA, Immunohistochemistry 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Protein Array
Application Notes	ELISA: For coating, order antibody without BSA). Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. In Simple Western internal validation: NK cell lysate at 0.5 mg/ml, NSCLC cell lysate at 0.5 mg/ml as samples; separated by size; antibody dilution of 1:10; observed molecular weights at 46, 70, 102, 153, 224; matrix was 12-230 kDa; detected by Chemiluminescence. Optimal dilution for a specific application should be determined.



Images

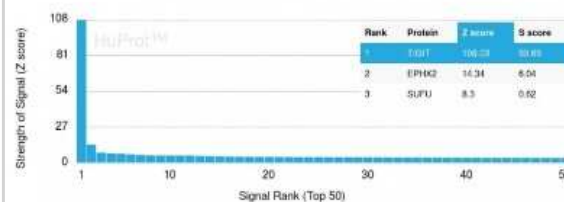
Immunohistochemistry-Paraffin: TIGIT Antibody (TIGIT/3017) [NBP2-79793] - Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with TIGIT Antibody (TIGIT/3017).



Flow Cytometry: TIGIT Antibody (TIGIT/3017) [NBP2-79793] - Flow Cytometric Analysis of PFA-fixed MOLT4 cells. TIGIT Antibody (TIGIT/3017) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Protein Array: TIGIT Antibody (TIGIT/3017) [NBP2-79793] - Analysis of Protein Array containing more than 19,000 full-length human proteins using TIGIT Antibody (TIGIT/3017). 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(TM) 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 (TM) 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.



Publications

Pescia C, Pini G, Olmeda E et al. TIGIT in Lung Cancer: Potential Theranostic Implications Life (Basel, Switzerland) 2023-04-19 [PMID: 37109579]

Zhao K, Jiang L, Si Y et al. TIGIT blockade enhances tumor response to radiotherapy via a CD103 + dendritic cell-dependent mechanism Cancer immunology, immunotherapy : CII 2022-07-06 [PMID: 35794399] (IHC-P, Human)

Zhao K, Ma L, Feng L, et al. CD155 Overexpression Correlates With Poor Prognosis in Primary Small Cell Carcinoma of the Esophagus Frontiers in molecular biosciences 2020-01-07 [PMID: 33490104] (IHC-P, Human)



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Products Related to NBP2-79793-100ug

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
DY417-05	IL-10 [Biotin]
7898-TGB-100	TIGIT [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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