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Datasheet for ABIN6940963
anti-TIM3 antibody (AA 22-202)

5 Images

Overview

Quantity:	100 µg
Target:	TIM3 (TIM 3)
Binding Specificity:	AA 22-202
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TIM3 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Coating (Coat), Staining Methods (StM)

Product Details

Immunogen:	Recombinant fragment of human TIM3 protein (around aa 22-202) (exact sequence is proprietary)
Clone:	TIM3-3113
Isotype:	IgG2a kappa
Purification:	Purified by Protein A/G

Target Details

Target:	TIM3 (TIM 3)
Alternative Name:	HAVCR2 (TIM 3 Products)
Target Type:	Virus

Target Details

Background:	TIMs are type I transmembrane glycoproteins with one Ig-like V-type domain and a Ser/Thr-rich mucin stalk. TIM-3 is expressed on the surface of effector T cells (CD4+Th1 and CD8+Tc1) but not on helper T cells (CD4+Th2 and CD8+Tc2). In chronic inflammation, autoimmune disorders, and some cancers, TIM-3 is upregulated on several other hematopoietic cell types. The Ig domain of TIM-3 interacts with a ligand on resting but not activated Th1 and Th2 cells. The glycosylated Ig domain of TIM-3 binds cell-associated galectin-9. This induces TIM-3 Tyr phosphorylation and pro-apoptotic signaling. TIM-3 functions as a negative regulator of Th1 cell activity. Its blockade results in increased IFN-gamma production, Th1 cell proliferation and cytotoxicity, regulatory T cell development, and increases in macrophage and neutrophil infiltration into sites of inflammation.
Molecular Weight:	60kDa
Gene ID:	84868
UniProt:	Q8TDQ0
Pathways:	Regulation of Lipid Metabolism by PPARalpha , Cancer Immune Checkpoints

Application Details

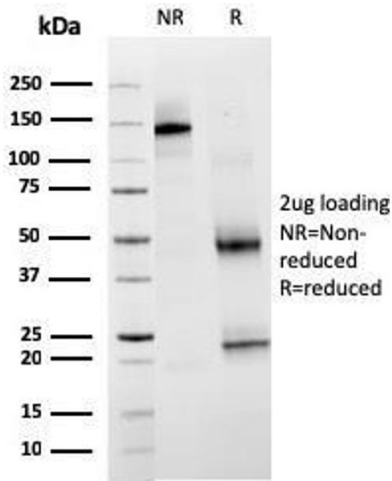
Application Notes:	Positive Control: PC3, BT474, HepG2, HDLM-2 or Daudi cells. Tonsil, lymph node or spleen. Known Application: ELISA (For coating, order antibody without BSA), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

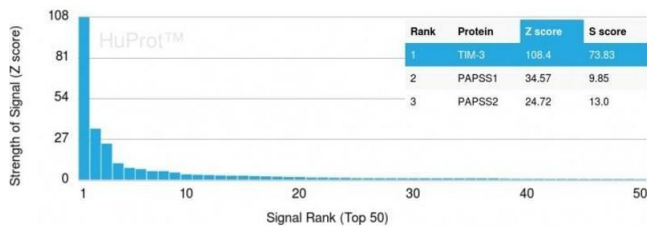
is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



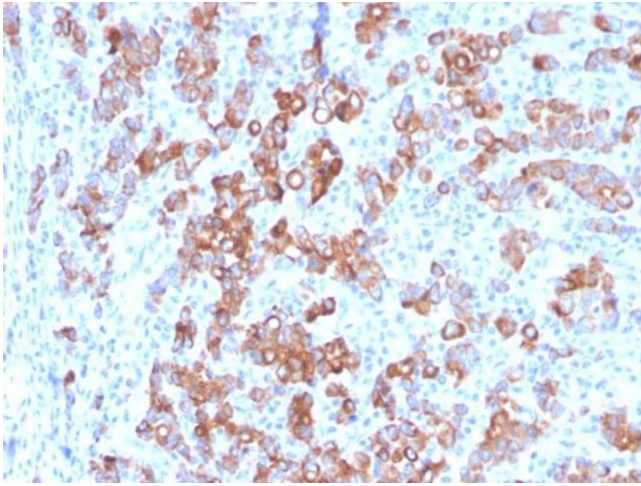
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified TIM3 Mouse Monoclonal Antibody (TIM3/3113). Confirmation of Purity and Integrity of Antibody.



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using TIM-3 Mouse Monoclonal Antibody (TIM3/3113) 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 (SDs) 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 SDs) 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.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Adrenal stained with TIM3 Mouse Monoclonal Antibody (TIM3/3113).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6940963.