

TIM3 / HAVCR2/ CD366 (Effector T-Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone TIM3/4024]

Catalog No	Format	Size
84868-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
84868-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
84868-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

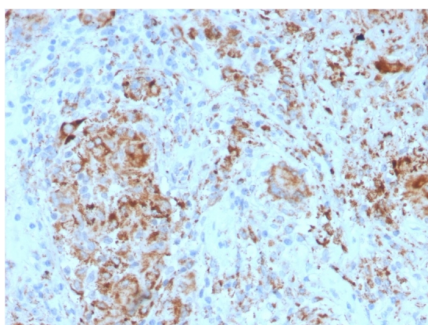
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

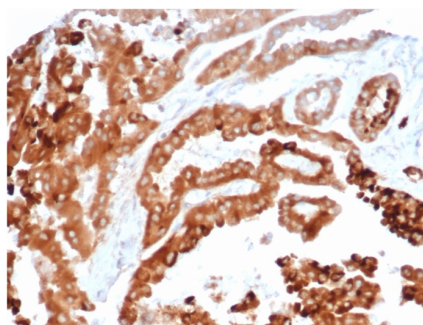
Clone	TIM3/4024
Gene Name	HAVCR2
Immunogen	Recombinant fragment of human TIM3 protein (around aa 22-202) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	60kDa
Cellular Localization	Cell junction, Cell membrane, Membrane
Species Reactivity	Human
Positive Control	HepG2or Daudi cells. Human tonsil, lymph node or spleen.

*Optimal dilution for a specific application should be determined.

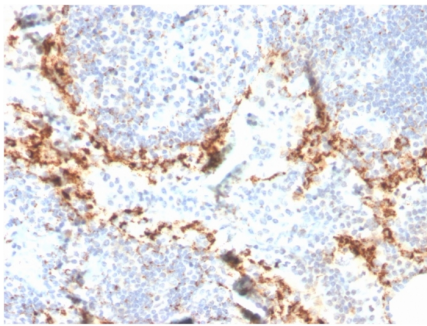
Product Images for TIM3 / HAVCR2/ CD366 (Effector T-Cell Marker) Antibody



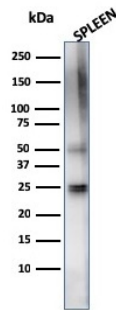
Formalin-fixed, paraffin-embedded human lymph node stained with TIM3 Mouse Monoclonal Antibody (TIM3/4024).



Formalin-fixed, paraffin-embedded human renal carcinoma stained with TIM3 Mouse Monoclonal Antibody (TIM3/4024).



Formalin-fixed, paraffin-embedded human lymph node stained with TIM3 Mouse Monoclonal Antibody (TIM3/4024).



Western blot analysis of human spleen tissue lysate using TIM3 Mouse Monoclonal Antibody (TIM3/4024).

Specificity & Comments

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 cell tonsil, lymph node or spleen. Is (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.

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.

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

Cardiovascular, Immunology, Cytokine Signaling