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

Rabbit Monoclonal Antibody [Clone MSVA-366R]

Catalog No	Format	Size
84868-RBM18-P0	Purified Ab with BSA and Azide	20 ug
84868-RBM18-P1	Purified Ab with BSA and Azide	100 ug

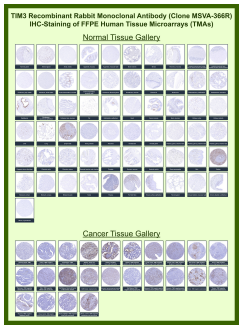
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1:100-1:200	Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121°C in pH 7.8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:150 at 37°C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions.

Product Details

Clone	MSVA-366R
Immunogen	Recombinant fragment of human TIM3 protein (around aa1-200) (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	60kDa
Cellular Localization	Cell surface
Species Reactivity	Human
Positive Control	Tonsil: A moderate to strong TIM-3 immunostaining should be seen in a significant fraction of T-cells, while only few TIM-3 positive cells are seen in the germinal centre and the mantle zone.

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

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



Hepatitis A virus cellular receptor 2 Rabbit Recombinant Monoclonal Antibody (MSVA-366R) tested on many normal and cancer tissues. The immunohistochemistry staining in these tissues aligns with the expression data in Human Protein Atlas.

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 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.

Supplied As

Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide.

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, Cytokine Signaling, Immunology

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.