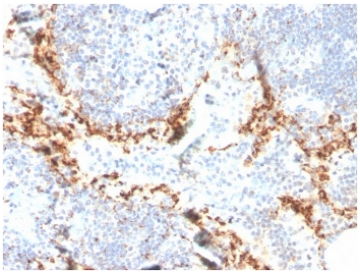
HAVCR2 Antibody / TIM-3 [clone TIM3/4024] (V9430)

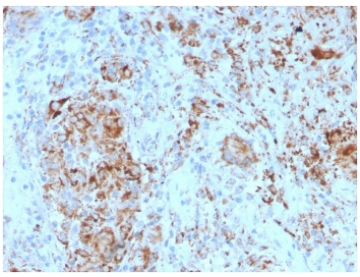
Catalog No.	Formulation	Size
V9430-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9430-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9430SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

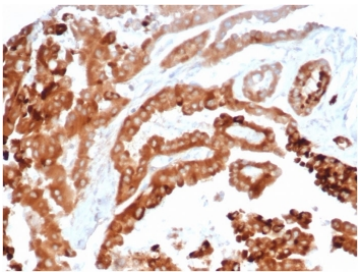
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	TIM3/4024
Purity	Protein A/G affinity
UniProt	Q8TDQ0
Localization	Cell Surface
Applications	1-2ug/ml
Limitations	This HAVCR2 antibody is available for research use only.



IHC staining of FFPE human lymph node with HAVCR2 antibody (clone TIM3/4024). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human lymph node tissue with HAVCR2 antibody (clone TIM3/4024). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human renal carcinoma tissue with HAVCR2 antibody (clone TIM3/4024). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

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 cel tonsil, lymph node or spleen. ls (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.

Application Notes

Optimal dilution of the HAVCR2 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 22-202 was used as the immunogen for the HAVCR2 antibody.

Storage

Aliquot the HAVCR2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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