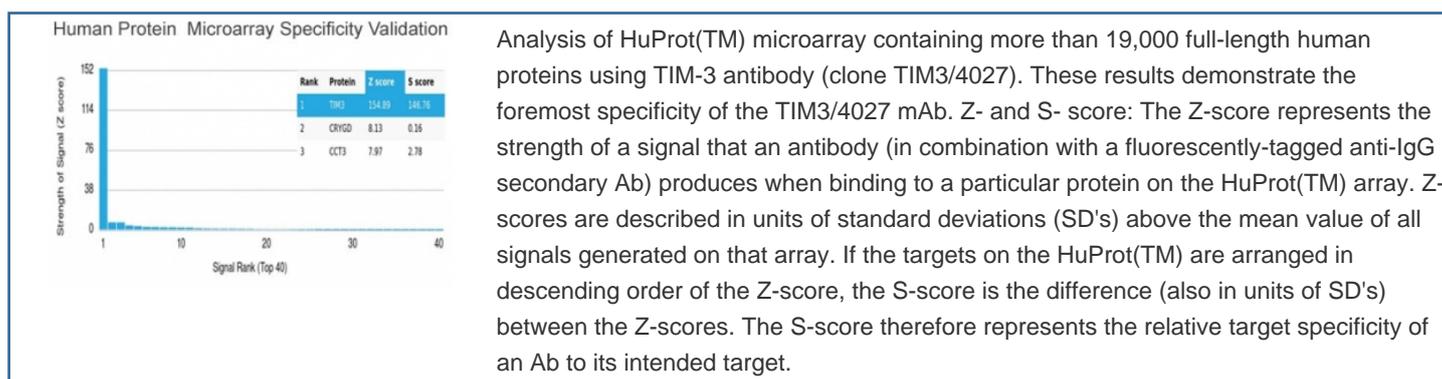


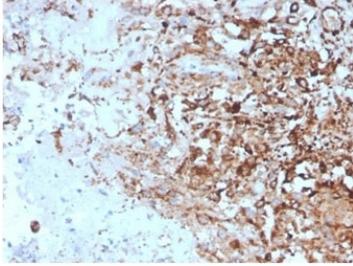
## TIM-3 Antibody / HAVCR2 [clone TIM3/4027] (V9177)

Catalog No.	Formulation	Size
V9177-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9177-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9177SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

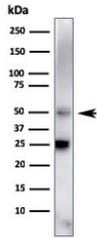
[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2b, kappa
<b>Clone Name</b>	TIM3/4027
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	Q8TDQ0
<b>Localization</b>	Cell Surface
<b>Applications</b>	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
<b>Limitations</b>	This TIM-3 antibody is available for research use only.

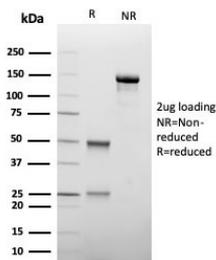




IHC staining of FFPE human lymph node with TIM-3 antibody (clone TIM3/4027). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Western blot testing of human spleen tissue lysate using TIM-3 antibody (clone TIM3/4027). Expected molecular weight: 33-70 kDa depending on glycosylation level.



SDS-PAGE analysis of purified, BSA-free TIM-3 antibody (clone TIM3/4027) as confirmation of integrity and purity.

## 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 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.

## Application Notes

Optimal dilution of the TIM-3 antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 22-202 was used as the immunogen for the TIM-3 antibody.

## Storage

Aliquot the TIM-3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

