Anti-Mouse T-cell Immunoglobulin Mucin-3 (TIM-3) (#6F46)

20150116ML

FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	**103-M276**
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with purified mouse recombinant TIM-3. The IgG2 fraction of the culture supernatant was purified by Protein A/G affinity chromatography.

Target Background

Synonyms (Target):	Havcr2; Tim3; TIM-3; Timd3

T cell immunoglobulin mucin-3 (TIM-3) is a member of the T-cell Immunoglobulin- and Mucin-domain-containing family of type I membrane glycoproteins that regulate autoimmune and allergic disease. TIM-3 is selectively expressed on Th1 cells and interacts with galectin-9. It negatively regulates Th1 responses and affects macrophage activation. The 280 aa mature human TIM-3 contains a V-type Ig-like domain that shows multiple polymorphisms, followed by a mucin-like domain in the 171 aa extracellular region, which shares 60% amino acid identity with mouse TIM-3 ECD. One splice variant of TIM-3 is truncated within the mucin domain and presumably is secreted.

Database References Target

Protein RefSeq:	NP_599011.2
Uniprot ID:	Q8VIM0
mRNA RefSeq:	NM_134250.2

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#6F46)
Isotype	IgG2
Purification	Protein A/G chromatography
Antigen	mouse recombinant protein of TIM-3
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody detects mouse of TIM-3 in Western blotting. This antibody does not cross-react with mouse TIM-1 and TIM-2.

AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

The antibody can be used within the following applications:

WB

Recommended usage:

WB: 1:500-1000

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!

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