



[Go to Product page](#)

Datasheet for ABIN500917
anti-TIMD4 antibody (Center)

3 Images

Overview

Quantity:	0.1 mg
Target:	TIMD4
Binding Specificity:	Center
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TIMD4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	TIM-4 antibody was raised against a 16 amino acid peptide from near the center of human TIM-4.
Isotype:	IgG
Specificity:	This antibody detects TIMD4 at center.
Cross-Reactivity (Details):	Species reactivity (tested):Human, Mouse.
Purification:	Peptide affinity chromatography

Target Details

Target:	TIMD4
Alternative Name:	TIMD4 (TIMD4 Products)

Target Details

Background: The T cell immunoglobulin and mucin domain containing protein (TIM) family encodes cell surface receptors that are involved in the regulation of T helper (Th) -1 and -2 cell-mediated immunity. TIM-4, which is preferentially expressed on macrophages and dendritic cells, is the natural ligand of TIM-1, and this binding leads to T-cell expansion and cytokine production. Unlike other members of the TIM family, TIM-4 lacks a putative tyrosine phosphorylation signal sequence in its intracellular domain. The TIM-4 gene maps to a locus associated with predisposition to asthma in both mice and humans and with its connection to TIM-1-triggered Th2 responsiveness, may be considered as a candidate disease/predisposition gene for asthma. Synonyms: T-cell immunoglobulin and mucin domain-containing protein 4, T-cell membrane protein 4, TIM-4, TIM4, TIMD-4

Gene ID: 91937

NCBI Accession: [NP_612388](#)

Pathways: [Cancer Immune Checkpoints](#)

Application Details

Application Notes: ELISA. Western blot: 1 - 2 µg/mL. Immunofluorescence.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: PBS, 0.02 % Sodium Azide

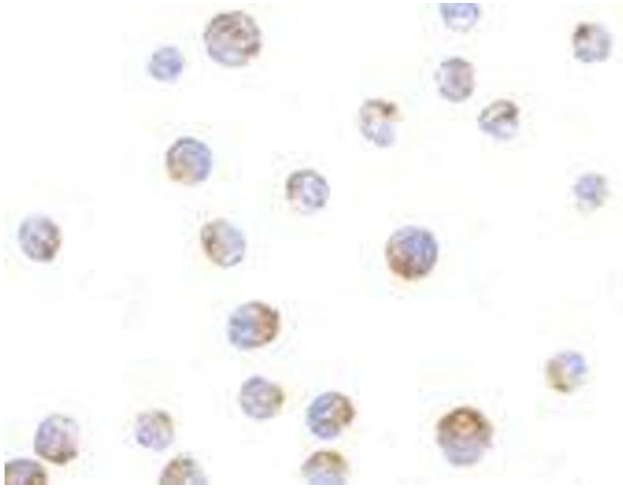
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

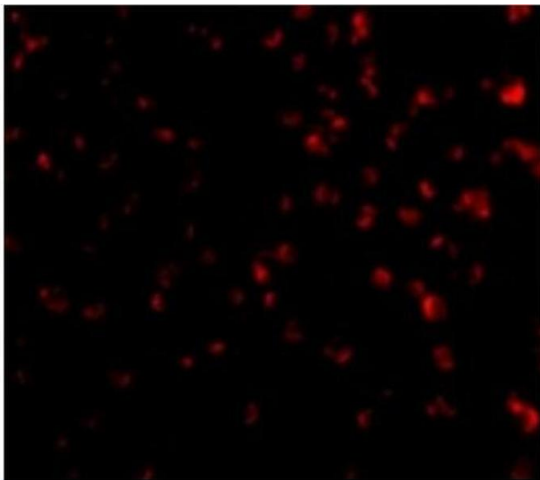
Storage: 4 °C/-20 °C

Storage Comment: Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



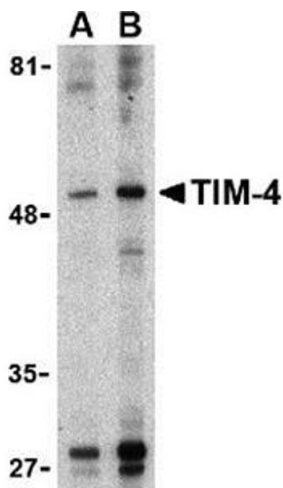
Immunofluorescence

Image 1. Immunocytochemistry of TIM-4 in Jurkat cells with TIM-4 antibody at 10 µg/ml.



Immunofluorescence

Image 2. Immunofluorescence of TIM-4 in Jurkat cells with TIM-4 antibody at 20 µg/ml.



Western Blotting

Image 3. Western blot analysis of TIM-4 in Jurkat lysate with TIM-4 antibody at (A) 1 and (B) 2 µg/ml.