

Datasheet for ABIN1819186
anti-TIMD4 antibody (AA 1-288)



[Go to Product page](#)

Overview

| | |
|----------------------|--|
| Quantity: | 0.1 mg |
| Target: | TIMD4 |
| Binding Specificity: | AA 1-288 |
| Reactivity: | Mouse |
| Host: | Rat |
| Clonality: | Monoclonal |
| Application: | Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

| | |
|--------------|--|
| Immunogen: | Tim-4-Ig, consisting of amino acids 1-288 of mouse Tim-4, coupled with the Fc portion of mouse IgG2a. |
| Clone: | RMT4-54 |
| Isotype: | IgG2a |
| Specificity: | Clone RMT4-54 specifically recognizes mouse Tim-4 (T-cell immunoglobulin mucin 4), a transmembrane glycoprotein and member of the immunoglobulin superfamily, exclusively expressed by antigen-presenting cells, which acts as the natural ligand of Tim-1, involved in T-cell expansion and cytokine production. Tim-4 is reported to be crucial for the phagocytosis of apoptotic cells by peritoneal macrophages, and studies have shown that interaction between Tim-1 on Th2 cells and Tim-4 on DCs, enhances Th2 cell function. The TIM-4 gene locus is associated with predisposition to asthma in both mice and humans and may be considered as a candidate disease gene for asthma. Studies have shown that clone RMT4-54 significantly |

Product Details

inhibits the efficient phagocytosis of apoptotic cells by PRMs (peritoneal resident Mac1+ cells), but not PEMs (peritoneal exudate Mac1+ cells) see for details.

Purification: Protein G purified

Target Details

Target: TIMD4

Alternative Name: TIMD4 / TIM4 / TIM-4 ([TIMD4 Products](#))

Background: Name/Gene ID: TIMD4

Synonyms: TIMD4, SMUCKLER, TIM-4, T-cell membrane protein 4, TIM4, TIMD-4, TIM 4

Gene ID: 91937

Pathways: [Cancer Immune Checkpoints](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: Target Species of Antibody: Mouse

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: PBS, 0.09 % 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.

Storage: 4 °C, -20 °C

Storage Comment: 4°C or -20°C, Avoid freeze-thaw cycles.