

Rabbit anti-Human Tim4/TIMD4 Polyclonal Antibody | anti-TIMD4 antibody

Anti-Tim4/TIMD4 Antibody, Rabbit Polyclonal

CATALOG # AAA259447	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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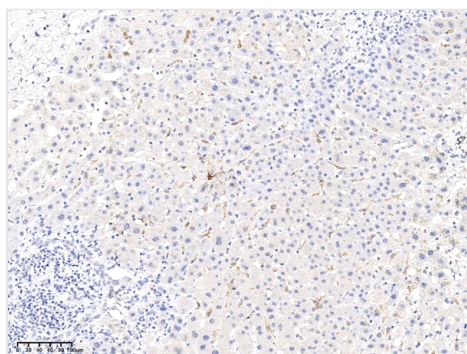
PRODUCT SYNONYMS

Tim4/TIMD4; Polyclonal Antibody; Anti-Tim4/TIMD4 Antibody; Rabbit Polyclonal; Tim4/TIMD4 Antibody; Rabbit PAb; Antigen Affinity Purified; T-cell immunoglobulin and mucin domain containing 4; Anti-SMUCKLER Antibody; Anti-TIM4 Antibody; anti-TIMD4 antibody

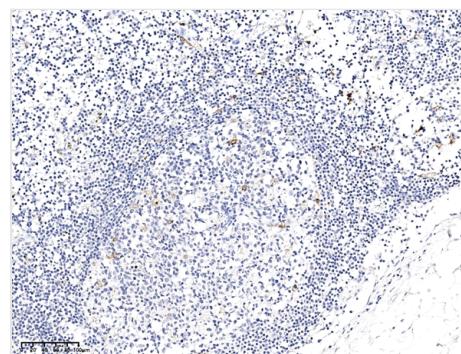
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Tim4/TIMD4
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-TIMD4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E coli-derived Human Tim4/TIMD4 fragment
Preparation	Produced in rabbits immunized with E coli-derived Human Tim4/TIMD4 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

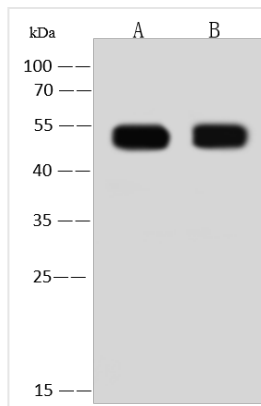
IMAGES


IHC (Immunohistochemistry)

Immunochemical staining of human TIMD4 in human liver with rabbit polyclonal antibody at 1:5000 dilution, formalin-fixed paraffin embedded sections.


IHC (Immunohistochemistry)

Immunochemical staining of human TIMD4 in human lymph node with rabbit polyclonal antibody at 1:5000 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-Tim4/TIMD4 rabbit polyclonal antibody at 1:500 dilution
 Lane A: Jurkat Whole Cell Lysate
 Lane B: 293T Whole Cell Lysate
 Lysates/proteins at 30ug per lane.
 Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.
 Developed using the ECL technique. Performed under reducing conditions.
 Predicted band size: 42 kDa
 Observed band size: 50 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-TIMD4 antibody	A type I transmembrane protein called TIM4 (T-cell immunoglobulin- and mucin-domain-containing molecule; also known as TIMD4), which belongs to the immunoglobulin superfamily and TIM family. TIM4 is involved in regulating T-cell proliferation and lymphotoxin signaling. It is a ligand for HAVCR1/TIMD1. Recent reports indicate that dendritic cell (DC)-derived T-cell immunoglobulin and mucin domain molecule (TIM)-4, which is expressed on dendritic cells and macrophages, plays an important role in the initiation of T(H)2 polarization. TIM4 bound apoptotic cells by recognizing phosphatidylserine via its immunoglobulin domain. The expression of TIM4 in fibroblasts enhanced their ability to engulf apoptotic cells. TIM4 is phosphatidylserine receptor for the engulfment of apoptotic cells, and may also be involved in intercellular signalling in which exosomes are involved. Modulation of TIM4 production in dendritic cells (DCs) represents a novel therapeutic approach for the treatment of peanut allergy. The interaction of TIM1/TIM4 played a critical role in sustaining the polarization status of Th2 cells in allergic rhinitis (AR) patients. Cross-linking FcγRI by antigen/IgG complexes increased the production of TIM4 by dendritic cells via upregulating tumor necrosis factor-α in DCs. Specific immunotherapy (SIT) suppresses the skewed Th2 responses via disrupting the interaction of TIM1/TIM4 in antigen-specific Th2 cells.
References	Miyanih. M. e. al. (2007). Identificatio. o. Tim. a. . phosphatidylserin. receptor. Nature. 450(7168). 435-9. Fen. BS. e. al. (2008). Disruptio. o. T-cel. immunoglobuli. an. muc. domai. molecu. (TIM)-1/TIM. interactio. a. . therapeuti. strateg. i. . dendriti. cell-induce. peanu. allerg. model. . Allerg. Cli. Immunol. 122(1). 55-61. Ca. PC. e. al. (2009). Associatio. o. TIM. promote. polymorphis. -1419G. wit. childhoo. asthm. i. . Chines. Ha. population. Tissu. Antigens. 74(1). 11-6. Zha. CQ. e. al. (2010). Specifi. immunotherap. suppresse. Th. response. vi. modulatin. TIM1/TIM. interactio. o. dendriti. cells. Allergy. 65(8). 986-95.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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