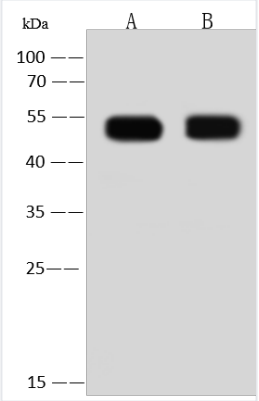
Tim4/TIMD4 (TIMD4) Antibody – Rabbit Polyclonal

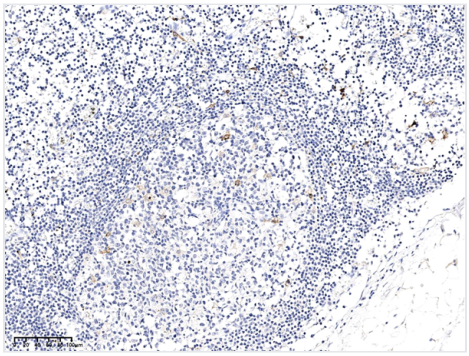
PRODUCT OVERVIEW

Product Name	Tim4/TIMD4, Polyclonal Antibody
Full Product Name	Anti-Tim4/TIMD4 Antibody, Rabbit Polyclonal
Product Gene Name	anti-TIMD4 antibody
Product Synonym Names	Tim4/TIMD4 Antibody, Rabbit PAb, Antigen Affinity Purified; T-cell immunoglobulin and mucin domain containing 4; Anti-SMUCKLER Antibody; Anti-TIM4 Antibody
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Purity/Purification	Protein A & Antigen Affinity
Specificity	Human Tim4/TIMD4
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.
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.
Applications Tested/Suitable for anti-TIMD4 antibody	Western Blot (WB)(FAQ Protocol), Immunohistochemistry-Paraffin (IHC-P)(FAQ Protocol)
Application Notes for anti-TIMD4 antibody	WB: 1:500-1:2000 IHC-P: 1:2000-1:10000
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 FcgammaRI by antigen/IgG complexes increased the production of TIM4 by dendritic cells via upregulating tumor necrosis factor-alpha in DCs. Specific immunotherapy (SIT) suppresses the skewed Th2 responses via disrupting the interaction of TIM1/TIM4 in antigen-specific Th2 cells.

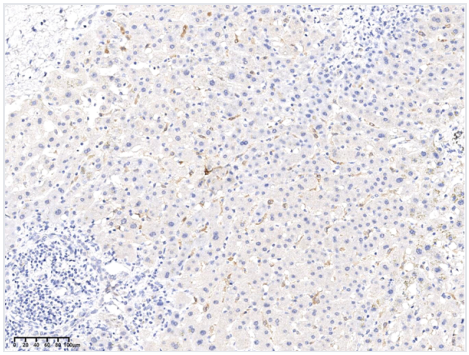
Product References and Citations for anti-TIMD4 antibody	Miyanish. M. e. al. (2007. Identificatio. o. Tim. a. . phosphatidylserin. receptor. Nature. 450(7168). 435-9.Fen. BS. e. al. (2008. Disruptio. o. T-cel. immunoglobuli. an. muci. domai. molecul. (TIM)-1/TIM. interactio. a. . therapeuti. strateg. 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.
Other Notes	Small volumes of anti-TIMD4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TIMD4 purchase	MBS8126303 is an antibody targeting TIMD4. Also known as Anti-Tim4/TIMD4 Antibody, Rabbit Polyclonal. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-TIMD4 antibody
Anti-Tim4/TIMD4 rabbit polyclonal antibody at 1:500 dilutionLane A: Jurkat Whole Cell LysateLane B: 293T Whole Cell LysateLysates/proteins at 30ug per lane.SecondaryGoat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.Developed using the ECL technique. Performed under reducing conditions.Predicted band size:42 kDaObserved band size:50 kDa



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



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

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TIMD4. It may not necessarily be applicable to this product.

Protein Family	T-cell immunoglobulin and mucin domain-containing protein
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/tim4-timd4/8126303