SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-TIM4 antibody

Catalog Number: SL6197R

FOR RESEARCH USE ONLY

[DATASHEET]

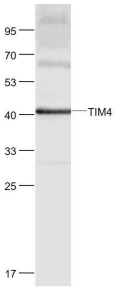
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	TIM4
Immunogen:	KLH conjugated synthetic peptide derived from human TIM4: 75-170/378
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human, Mouse, (predicted: Rat, Pig, Cow, Horse, Rabbit)
Predicted MW.:	42kDa
Subcellular Location:	The cell membrane
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. Studies have shown that TIM 4, which is preferentially expressed on macrophages and dendritic cells, is the natural ligand of TIM 1, and that 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. **Function:** Phosphatidylserine receptor that enhances the engulfment of apoptotic cells. Involved in regulating T-cell proliferation and lymphotoxin signaling. Ligand for HAVCR1/TIMD1 (By similarity). **Subcellular Location:** Membrane; Single-pass type I membrane protein

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

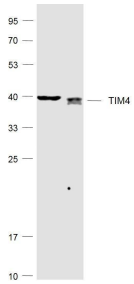
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	(Potential). **Similarity:** Belongs to the immunoglobulin superfamily. TIM family. Contains 1 Ig-like V-type (immunoglobulin-like) domain. **Database links:** **Entrez Gene:** 91937 Human **Entrez Gene:** 276891 Mouse Omim: 610096 Human **SwissProt:** Q96H15 Human **SwissProt:** Q6U7R4 Mouse **Unigene:** 334907 Human **Unigene:** 69002 Mouse

[VALIDATION IMAGES]



Sample:
Lymph node (Mouse) Lysate at 40 ug
Primary: Anti- TIM4 (SL22039R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 42 kD
Observed band size: 42 kD



Sample:
Lymph node (Mouse) Lysate at 40 ug
Testis (Mouse) Lysate at 40 ug
Primary: Anti-TIM4 (SL22039R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 42 kD
Observed band size: 42 kD

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