

## Anti-TIM4 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Pig, Cow, Rabbit, Sheep)
Molecular Weight:	Theoretical: 42 kDa. Actual: 42 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	1. Sample: Lymph node (Mouse) Lysate at 40 µg Testis (Mouse) Lysate at 40 µg Primary: Anti-TIM4 at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 42 kD Observed band size: 42 kD
	2. Sample: Lymph node (Mouse) Lysate at 40 µg Primary: Anti-TIM4 at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 42 kD Observed band size: 42 kD
Application:	WB
Recommended	WB: 1:500-2000

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human TIM4
Antigen Species:	Human
Gene ID:	91937
Uniprot ID:	Q96H15

### Research 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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