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Product datasheet for AP07785PU-N

TIM 4 (TIMD4) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	**Immunohistochemistry on Paraffin Sections:** 5 µg/ml. **Western Blot**.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide -KLH conjugated corresponding to 15 amino acid peptide from near the carboxy terminus of Human TIM-4.
Formulation:	Phosphate Buffered Saline PBS containing 0.02% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Dilute only prior to immediate use. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	T-cell immunoglobulin and mucin domain containing 4
Database Link:	Entrez Gene 91937 Human Q96H15

View online »

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 (Kuchroo et al, 2003). 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 (Shakhov et al 2004).

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

Product images:

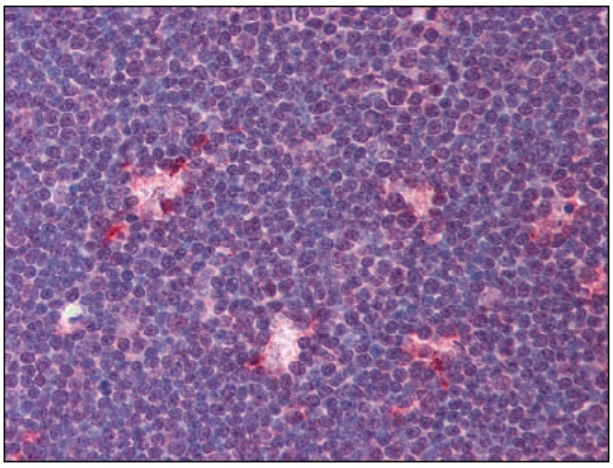

Figure 1. Staining TIM4 in Thymus tissue by Immunohistochemistry using Formalin-Fixed Paraffin-Embedded (FFPE) tissue.