

TIM-3 Monoclonal Antibody

ORDERING INFORMATION

Catalog No.	Clone No.	Size
34073	G003.1	100ul

Format: Purified antibody in Tris buffer, pH 7.3-7.7, 1% BSA, <0.1% sodium azide.

BACKGROUND

T cell immunoglobulin and mucin domain-3 (TIM-3) is a member of the TIM gene family, which includes TIM-1, TIM-3, TIM-4 in humans and Tim-1-8 in mice. TIM-3 is expressed on Th1, Th17, and CD8⁺ T cells as well as on dendritic cells and natural killer cells. Binding of TIM-3 and its ligands has been found to suppress Th1 and Th17 responses and induce peripheral immune tolerance, supporting an inhibitory role of TIM-3 in T cell-mediated immune responses. TIM-3 expression also characterizes exhausted T cells during chronic infection. Since administration of TIM-3 and PD-1 mAbs synergistically control tumor growth, TIM-3 is gaining importance in tumor and chronic viral infection models as a candidate for immunotherapy in conjunction with other inhibitory receptors.

DESCRIPTION

Antigen: Recombinant human TIM-3.

Accession No.: Q8TDQ0

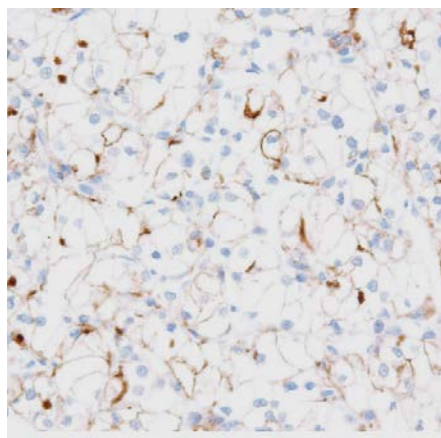
Host: Mouse

Antibody Subtype: IgG1

Specificity: Human TIM-3. Reactivity with other species has not been investigated.

APPLICATIONS

Immunohistochemistry: use at a dilution of 1:100-1:200 on formalin-fixed, paraffin-embedded samples after heat-induced epitope retrieval at pH 9 for 10-30 minutes.



Detection of TIM-3 in human kidney with #34073 diluted 1:100-1:200.

STORAGE AND STABILITY

Store at 2-8°C. Do not freeze.

For in vitro investigational use only. Not for use in diagnostic or therapeutic applications.