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Anti-Mouse TIM1 Purified

Catalog Number: 14-5861
Also Known As:TIM-1, HAVCR1, T cell immunoglobulin domain, mucin-like domain
RUO: For Research Use Only

Product Information

Contents: Anti-Mouse TIM1 Purified
REF Catalog Number: 14-5861
Clone: RMT1-4
Concentration: 0.5 mg/ml
Host/Isotype: Rat IgG2b, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C.
LOT Batch Code: Refer to Vial
Use By: Refer to Vial
Caution, contains Azide

Description

The RMT1-4 monoclonal antibody reacts with mouse TIM-1, a member of newly identified T cell immunoglobulin domain, mucin-like domain (TIM) gene family. TIM family of proteins are transmembrane proteins expressed by CD4 T cells. Recent studies demonstrate that the TIM family, particularly TIM-1, plays a critical role in immune responses that regulate the development of atopic diseases. Human TIM-1 is a functional receptor for hepatitis A virus (HAV). In humans, certain polymorphic variants of TIM-1 are strongly associated with protection against atopy, and this association occurs only in individuals who have had past infection with hepatitis A virus (HAV). Activation of T cells through TIM-1 by HAV or by its natural ligand may affect T cell differentiation and the development of Th2-driven allergic inflammatory responses.

Applications Reported

The RMT1-4 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The RMT1-4 antibody has been tested by flow cytometric analysis of mouse TIM-1 transfected cells. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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Monney L, Sabatos CA, Gaglia JL, Ryu A, Waldner H, Chernova T, Manning S, Greenfield EA, Coyle AJ, Sobel RA, Freeman GJ, Kuchroo VK. 2002. Th1-specific cell surface protein Tim-3 regulates macrophage activation and severity of an autoimmune disease. Nature. 415(6871):536-41.

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