

Rev04
Update: Oct,19,2022

DATASHEET

Human TIM3 Antibody (TI.B2), mAb, Mouse

Cat. No.: A01834

Overview

Specificity	The product is specific for human TIM3 (UniProt Accession: Q8TDQ0). This antibody specifically recognizes human TIM3 recombinant protein in ELISA assay and human TIM3-expressing stable cell line in FACS assay.
Host Species	Mouse
Immunogen	Recombinant human TIM3-Fc (2365-TM)
Conjugate	Unconjugated

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Application	Recommended Usage
ELISA	0.01-0.1 µg/ml
Flow Cytometry	2-10 µg/ml

Properties

Form	Lyophilized
Storage Buffer	lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/mL.
Storage Instructions	The lyophilized product remains stable up to 1 year at -20 °C from date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid repeated freezing and thawing cycles.
Purification	Protein A affinity column

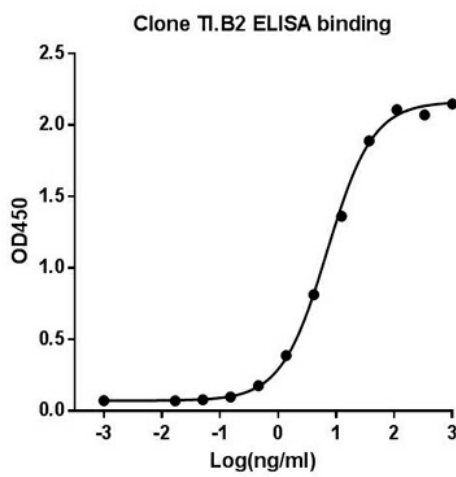
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Isotype	Mouse IgG1, κ
Clonality	Monoclonal
Clone ID	TI.B2
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

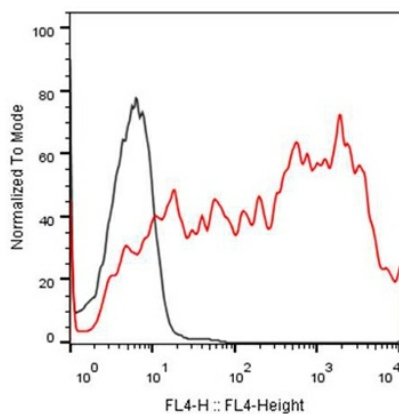
Examples



ELISA binding of **human TIM3 antibody TI.B2** (GenScript, A01834) with Human TIM3 recombinant protein (2365-TM, TIM3 Fc Chimera, Human).

Coating antigen: TIM3-Fc, 0.5 μ g/ml.

TIM3 antibody dilution start from 1000 ng/ml, EC₅₀= 6.98 ng/ml



Flow cytometric analysis of CHO-K1/TIM3 stable cell expressing TIM3 (GenScript, M00531, Red) and CHO negative control cell (Black) binding with **Human TIM3 Antibody TI.B2** (GenScript, A01834)

Antibody working concentration: 5 μ g/ml, 2.5×10^5 cells/reaction

The signal was developed with iFluor647 conjugated Goat Anti-Mouse IgG

Background

Target Background : TIM-3 (T cell immunoglobulin and mucin domain-3), is a member of the TIM family of immune regulating molecules. Its binding to Galectin-9 induces a range of immunosuppressive functions which enhance immune tolerance and inhibit anti-tumor immunity. GenScript Human TIM3 Antibody (TI.B2), mAb, Mouse is produced from the hybridoma resulting from fusion of SP2/0 myeloma and B-lymphocytes obtained from mouse immunized with recombinant human TIM3-Fc (2365-TM).

Synonyms : Mouse monoclonal to T-Cell Immunoglobulin Mucin Receptor 3/HAVCR2/ CD366/ KIM-3/ TIMD3/ Tim-3/ TIMD-3/ HAVcr-2

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.