

Anti-TIM-3 [mab15] Standard Size Ab03433-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: mab15

Alternative Name(s) of Target: CD366; HAVCR2; HAVcr-2; TIM3; TIMD-3; TIMD3; Hepatitis A virus cellular receptor 2; T-cell immunoglobulin and mucin domain-containing protein 3; T-cell immunoglobulin mucin receptor 3; T-cell membrane protein 3

UniProt Accession Number of Target Protein: Q8TDQ0

Published Application(s): functional assay, inhibit, ELISA, FC

Published Species Reactivity: Human, Mouse

Immunogen: The original antibody was generated by immunizing BALB/c mice or SJL mice with human and mouse TIM-3-Fc protein.

Specificity: This antibody binds human TIM-3 and capable of inhibiting the interaction of TIM-3 and LILRB2. It is reported that this antibody strongly binds CC' loop and mildly to the DE loop of TIM-3. Hepatitis A virus cellular receptor 2 (HAVCR2), also known as T-cell immunoglobulin and mucin-domain containing-3 (TIM-3), is a protein expressed on the cell surface of IFN γ producing CD4 $^{+}$ Th1 and CD8 $^{+}$ Tc1 cells. This protein is also expressed on the surface of Th17 cells, regulatory T-cells and innate immune cells like dendritic cells, NK cells and monocytes. It is a cell surface receptor implicated in modulating innate and adaptive immune responses (US20160200815).

Application Notes: This antibody can inhibit the interaction between TIM-3 and LILRB2 and can be used in the treatment of TIM-3 related disorders. The binding characterization of this antibody to human and mouse TIM-3 was done using ELISA and flow cytometry. Blocking of TIM-3:LILRB2 interactions by this antibody was evaluated in activated-macrophage and activated-DC assays. This antibody was able to initiate TNF α secretion in LPS activated macrophages. The stimulation of pro-inflammatory cytokines GM-CSF, IL-1 α , IL-1 β , IL-6 and TNF α by this antibody was greater for macrophages from the LILRB2 $^{+}$ donor compared to the low LILRB2 donor

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.