

## Anti-TIM-3 [mab15] Bulk Size Ab03433-1.1-BT

**Isotype and Format:** Mouse IgG1, 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 $\gamma$  producing CD4<sup>+</sup> Th1 and CD8<sup>+</sup> 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 $\alpha$  secretion in LPS activated macrophages. The stimulation of pro-inflammatory cytokines GM-CSF, IL-1 $\alpha$ , IL-1 $\beta$ , IL-6 and TNF $\alpha$  by this antibody was greater for macrophages from the LILRB2<sup>+</sup> donor compared to the low LILRB2 donor

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

**Note on publication:**

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:**

PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.