Human CellExp™ TIM-3 / HAVCR2, Cynomolgus Recombinant

CATALOG NO:
P1391-10 10 µg
P1391-50 50 µg

ALTERNATE NAMES: HAVCR2, TIM3, TIMD3, FLJ14428, KIM3

MOL. WT. This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 21.6 kDa. The protein migrates as 30-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

SOURCE: HEK 293 cells

PURITY: >90% as determined by SDS-PAGE

ENDOTOXIN: Less than 1.0 EU per µg by the LAL method

FORM: Lyophilized

FORMULATION: Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

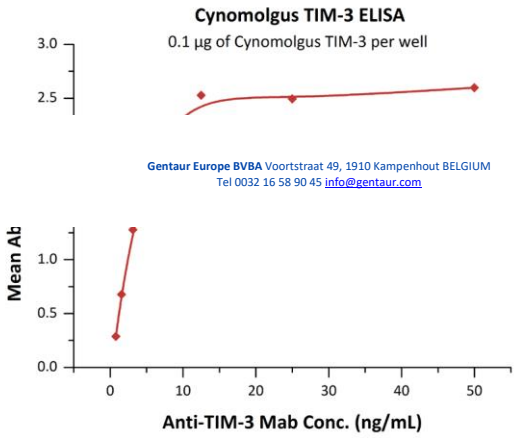
RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in sterile deionized water. Do not vortex. It is recommended to store at -20°C.

SPECIFIC ACTIVITY: Immobilized Cynomolgus TIM-3 at 1 µg/mL (100 µL/well) can bind Anti-TIM-3 Mab with a linear range of 0.8-6 ng/mL

STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles. -20°C

DESCRIPTION: Hepatitis A virus cellular receptor 2 is also known as HAVCR2, FLJ14428, KIM3, TIM3, TIMD3, is a member of the TIM family of immune regulating molecules with one Ig-like V-type domain and a Ser/Thr-rich mucin stalk. CD4-positive T helper lymphocytes can be divided into types 1 (Th1) and 2 (Th2) on the basis of their cytokine secretion patterns. Th1 cells and their associated cytokines are involved in cell-mediated immunity to intracellular pathogens and delayed-type hypersensitivity reactions, whereas Th2 cells are involved in the control of extracellular helminthic infections and the promotion of atopic and allergic diseases. The 2 types of cells also cross-regulate the functions of the other. HAVCR2 is a Th1-specific cell surface protein that regulates macrophage activation and enhances the severity of experimental autoimmune encephalomyelitis in mice. HAVCR2 regulates macrophage activation. Inhibits T-helper type 1 lymphocyte (Th1)-mediated auto- and alloimmune responses and promotes immunological tolerance. May be also involved in T-cell homing. Dysregulation of the HAVCR2-galectin-9 pathway could underlie chronic autoimmune disease states in human, such as multiple sclerosis.

AMINO ACID SEQUENCE: AA Ser 22 - Arg 201



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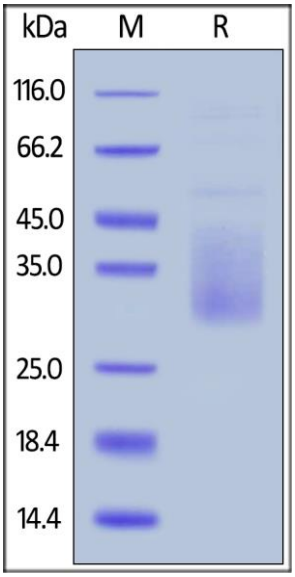

Cynomolgus TIM-3 on SDS-PAGE under reducing (R) condition.

RELATED PRODUCTS:

Human CellExp™ TIM3/ KIM3/HAVCR2, Fc Tag, Human Recombinant (7495)
Human CellExp™ Tim-3, (Fc-Tag Mouse), Mouse Recombinant (P1360)
Human CellExp™ TIM3/HAVR2 Protein, Human Recombinant (P1002)
Human CellExp™ Tim-3, Mouse Recombinant (P1359)

FOR RESEARCH USE ONLY! Not to be used on humans.

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