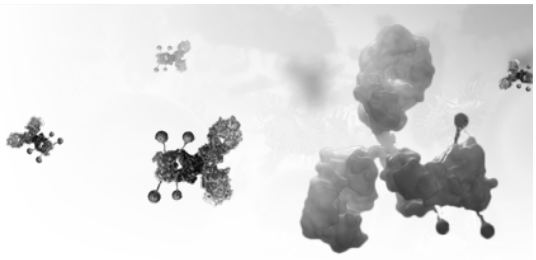

Rat Anti-Mouse TIM-1 (CD365) Monoclonal antibody, clone 3D10 (CABT-L4308)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	The 3D10 monoclonal antibody reacts with mouse T cell immunoglobulin and mucin domain 1 (TIM-1) also known as CD365. TIM-1 is a type I cell-surface glycoprotein and member of the Ig superfamily. TIM-1 is preferentially expressed on TH2 cells and has been identified as a stimulatory molecule for T cell activation. The TIM gene family, plays critical roles in regulating the immune response to viral infection. TIM-1 is also involved in allergic responses, asthma, and transplant tolerance. The 3D10 antibody has been shown to block TIM-1 in vivo and enhance atherosclerosis in mice studies.
Target	Mouse TIM-1 (CD365)
Immunogen	Mouse TIM-1 (signal and IgV domains)/mouse IgG2a Fc fusion protein
Isotype	IgG1, κ
Source/Host	Rat
Species Reactivity	Mouse
Clone	3D10
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo TIM-1 blockade, in vitro TIM-1 blockade
Molecular Weight	150 kDa
Format	0.2 μM filtered liquid. Purified from tissue culture supernatant in an animal free facility

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Concentration	Lot specific
Size	5 mg
Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free] Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB04
Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	The protein encoded by this gene is a membrane receptor for both human hepatitis A virus (HHAV) and TIMD4. The encoded protein may be involved in the moderation of asthma and allergic diseases. The reference genome represents an allele that retains a MTTVP amino acid segment that confers protection against atopy in HHAV seropositive individuals. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Mar 2010]
Keywords	HAVCR1;hepatitis A virus cellular receptor 1;TIM;KIM1;TIM1;HAVCR;KIM-1;TIM-1;TIMD1;TIMD-1

GENE INFORMATION

Official Symbol	hepatitis A virus cellular receptor 1
Synonyms	HAVCR1; hepatitis A virus cellular receptor 1; TIM; KIM1; TIM1; HAVCR; KIM-1; TIM-1; TIMD1; TIMD-1
References	Foks, A. C., et al. (2016). "Blockade of Tim-1 and Tim-4 Enhances Atherosclerosis in Low-Density Lipoprotein Receptor-Deficient Mice." Arterioscler Thromb Vasc Biol 36(3): 456-465. PubMed;

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