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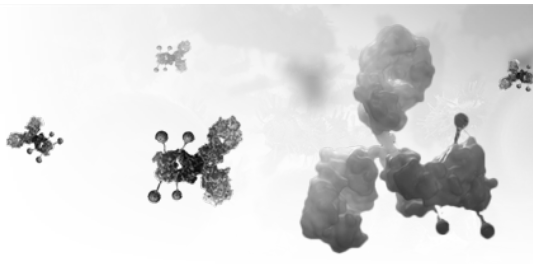

Rat Anti-Mouse TIM-4 Monoclonal antibody, clone RMT4-53 (CABT-L4448)

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

PRODUCT INFORMATION

Product Overview	The RMT4-53 monoclonal antibody reacts with mouse T cell immunoglobulin and mucin domain 4 (TIM-4), a phosphatidylserine-binding receptor and member of the Ig superfamily.
Target	Mouse TIM-4
Immunogen	Mouse TIM-4-Ig fusion protein
Isotype	IgG2b, κ
Source/Host	Rat
Species Reactivity	Mouse
Clone	RMT4-53
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo TIM-4 blockade, in vitro TIM-4 blockade, IF
Molecular Weight	150 kDa
Format	0.2 µM filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific
Size	5 mg
Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free]

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	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 RMT4-53 monoclonal antibody reacts with mouse T cell immunoglobulin and mucin domain 4 (TIM-4), a phosphatidylserine-binding receptor and member of the Ig superfamily. TIM-4 is preferentially expressed on antigen-presenting cells. TIM-4 is thought to enhance the engulfment of apoptotic cells and play a role in regulating T cell proliferation. The RMT4-53 antibody has been shown to block TIM-4 in vitro and in vivo.
Keywords	TIMD4;T-cell immunoglobulin and mucin domain containing 4;TIM4;SMUCKLER;T-cell immunoglobulin and mucin domain-containing protein 4;TIM-4;TIMD-4;T-cell membrane protein 4;T-cell immunoglobulin mucin receptor 4

GENE INFORMATION

Official Symbol	T-cell immunoglobulin and mucin domain containing 4
Synonyms	TIMD4; T-cell immunoglobulin and mucin domain containing 4; TIM4; SMUCKLER; T-cell immunoglobulin and mucin domain-containing protein 4; TIM-4; TIMD-4; T-cell membrane protein 4; T-cell immunoglobulin mucin receptor 4
References	Ji, H., et al. (2014). "T-cell immunoglobulin and mucin domain 4 (TIM-4) signaling in innate immune-mediated liver ischemia-reperfusion injury." Hepatology 60(6): 2052-2064. PubMed;

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