



# Rat Anti-Mouse TIM-2 Monoclonal antibody, clone RMT2-29 (CABT-L4411)

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

## PRODUCT INFORMATION

### Product Overview

The RMT2-29 monoclonal antibody reacts with mouse T cell immunoglobulin and mucin domain 2 (TIM-2), a type I cell-surface glycoprotein and member of the Ig superfamily. TIM-2 is preferentially expressed on TH2 cells as well as activated T cells. The TIM gene family, plays critical roles in regulating the immune response to viral infection. TIM-2 is also involved in the development of atopic disease and other TH2-biased immune responses.

<b>Target</b>	Mouse TIM-2
<b>Immunogen</b>	Con A stimulated spleen cells from BALB.B mice
<b>Isotype</b>	IgM
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	RMT2-29
<b>Purification</b>	Protein G purified. Purity>95%. Determined by SDS-PAGE
<b>Conjugate</b>	Functional Grade
<b>Format</b>	0.2 µM filtered liquid. Purified from tissue culture supernatant in an animal free facility
<b>Concentration</b>	Lot specific
<b>Size</b>	5 mg
<b>Buffer</b>	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

<b>Preservative</b>	None
<b>Storage</b>	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	Tim-2 acts as a negative regulator of Th2 cells, and is implicated to play a critical role in the development of atopic disease and other Th2-biased immune responses. Tim-2 also acts as a receptor for Semaphorin 4A, a transmembrane protein expressed on dendritic cells and B cells, which plays a role in the guidance of axonal migration during neuronal development, and has been shown to enhance T cell activation. Studies using Rat anti Mouse TIM-2 antibody, clone SNU3-36 in mouse, have shown that signaling by Tim-2 can influence the proliferation and antibody production of B cells, during early phase CIA (collagen-induced arthritis).
<b>Keywords</b>	Timd2;T cell immunoglobulin and mucin domain containing 2;G9D3;Tim2;TIM-2;C78111;AA816106;AU019358;AU019662;T-cell immunoglobulin and mucin domain-containing protein 2;TIMD-2;T-cell membrane protein 2;T-cell immunoglobulin mucin receptor 2;T-cell immunoglobulin and mucin domain containing 2

## GENE INFORMATION

<b>Official Symbol</b>	T cell immunoglobulin and mucin domain containing 2
<b>Synonyms</b>	Timd2;T cell immunoglobulin and mucin domain containing 2;G9D3;Tim2;TIM-2;C78111;AA816106;AU019358;AU019662;T-cell immunoglobulin and mucin domain-containing protein 2;TIMD-2;T-cell membrane protein 2;T-cell immunoglobulin mucin receptor 2;T-cell immunoglobulin and mucin domain containing 2