

Product Datasheet

TIM-2 Antibody (RMT2-14) - Chimeric - Azide and BSA Free **NBP3-09035-0.2mg**

Unit Size: 0.2 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-09035-0.2mg

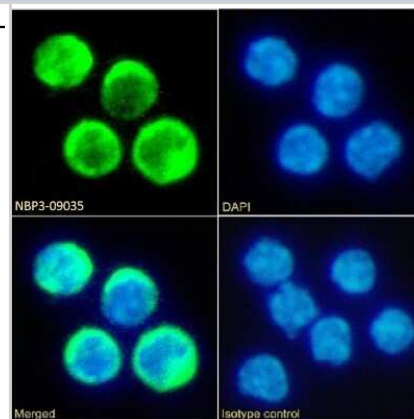
TIM-2 Antibody (RMT2-14) - Chimeric - Azide and BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	RMT2-14
Preservative	0.02% Proclin 300
Isotype	IgG Lambda
Purity	Protein A purified
Buffer	PBS
Product Description	
Host	Rabbit
Species	Mouse
Immunogen	This antibody was raised by immunising Sprague Dawley rats with TIM-2-Ig consisting of the extracellular domain (aa 1-230 of mouse TIM-2) and the Fc portion of mouse IgG2a, emulsified in complete Freund's adjuvant and then fusing lymph node cells from the immunized rats with P3U1 myeloma cells.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Block/Neutralize, Functional Assay
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Block/Neutralize, Functional Assay
Application Notes	This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques. This antibody has been used in various FACS analyses, for instance, to evaluate the expression of TIM family members on mouse mast cells (Nakae et al, 2007) and to block the H-ferritin binding to TIM-2/L5178Y cells (Kawamoto et al, 2011). This antibody has been used in FACS and immunohistochemistry analyses to show that TIM-2 is expressed on mouse fetal hepatocytes (Watanabe et al, 2007). This antibody has also been used in Western Blots and for blocking experiments in ferritin binding analysis, which suggests that Tim-2 is the H-ferritin receptor on oligodendrocytes (Todorich et al, 2008). In addition, this antibody has been used in collagen-induced arthritis (CIA) models to determine whether TIM-2 contributes to the development of T helper (Th) 1 or Th17 cells and joint inflammation (Kawamoto et al, 2011).



Images

Immunocytochemistry/Immunofluorescence: TIM-2 Antibody (RMT2-14) - Chimeric [NBP3-09035] - Immunofluorescence analysis of paraformaldehyde fixed mouse splenocytes on Shi-fix(TM) coverslips stained with the chimeric rabbit IgG version of RMT2-14 (NBP3-09035) at 10 ug/ml for 1h followed by Alexa Fluor(R) 488 secondary antibody (2 ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP3-09035, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor(R) 488 secondary antibody.





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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
1885-TM-050	TIM-2

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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