

Datasheet for ABIN7072498

## Recombinant anti-TIM3 antibody



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### Overview

|                |                                                                                                   |
|----------------|---------------------------------------------------------------------------------------------------|
| Quantity:      | 200 µg                                                                                            |
| Target:        | TIM3 (TIM 3)                                                                                      |
| Reactivity:    | Mouse                                                                                             |
| Host:          | Rat                                                                                               |
| Antibody Type: | Recombinant Antibody                                                                              |
| Clonality:     | Monoclonal                                                                                        |
| Conjugate:     | This TIM3 antibody is un-conjugated                                                               |
| Application:   | Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunofluorescence (IF), Blocking Peptide (BP) |

### Product Details

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| Purpose:     | Anti-Tim-3 [2C12], Rat IgG1, kappa                                                                                                                                                                                                                                                                                                                                                              |
| Immunogen:   | This antibody was raised by immunising rats with TIM-3:Ig fusion protein emulsified in complete Freund's adjuvant.                                                                                                                                                                                                                                                                              |
| Clone:       | 2C12                                                                                                                                                                                                                                                                                                                                                                                            |
| Isotype:     | IgG1 kappa                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity: | This antibody is specific for murine TIM-3, a Th1-specific cell surface protein. TIM-3 is a type I transmembrane protein and contains an immunoglobulin and a mucin-like domain in its extracellular portion and a tyrosine phosphorylation motif in its cytoplasmic portion. This antibody binds to the BALB/c allele of TIM-3 while reactivity to the C57Bl/6 allele is significantly weaker. |

## Product Details

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| Characteristics: | Original Species of Ab: Rat<br>Original Format of Ab: IgG1 |
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| Purification: | Protein A affinity purified |
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## Target Details

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| Target: | TIM3 (TIM 3) |
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| Alternative Name: | Tim-3 ( <a href="#">TIM 3 Products</a> ) |
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|              |       |
|--------------|-------|
| Target Type: | Virus |
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| Background: | CD366, HAVcr-2, HAVCR2, Hepatitis A virus cellular receptor 2 homolog, T-cell immunoglobulin and mucin domain containing 3, T-cell immunoglobulin and mucin domain-containing protein 3, T-cell immunoglobulin mucin receptor 3, T-cell membrane protein 3, TIM-3, TIMD-3, TIM3, 8B.2C12 |
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|          |                        |
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| UniProt: | <a href="#">Q8VIM0</a> |
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| Pathways: | <a href="#">Regulation of Lipid Metabolism by PPARalpha</a> , <a href="#">Cancer Immune Checkpoints</a> |
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## Application Details

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| Application Notes: | This antibody was used in FACS, immunohistochemistry, immunofluorescence and a murine experimental autoimmune encephalomyelitis model to study the effects of TIM-3 triggering in dendritic cells (Anderson et al., 2007, PMID: 18006747). Furthermore, this antibody has been used in multiple FACS analyses for diverse immuno-oncological applications, such as to delineate how TIM-3 signaling on cells of the innate immune system critically influences regulation of the adaptive immune response (Frisancho-Kiss et al., 2006), to demonstrate the reversal of T cell exhaustion and restoration of anti-tumor immunity upon co-targeting Tim-3 and PD-1 pathways (Sakuishi et al., 2010, PMID: 20819927), and to examine the therapeutic potential of dendritic cell based vaccines against malignant glioma (Dey et al., 2015). This antibody has also been used in immunohistochemistry to aid the elucidation of the effects of Th2 immune deviation on corneal allograft survival and possible mechanisms of graft rejection (Beauregard et al., 2005). In addition, employing this anti-TIM-3 antibody as part of the combination immunotherapy (anti-TIM3 + anti-PD-1 +/- anti-CTLA-4) has been shown to be effective against experimental and carcinogen-induced tumors in mice (Sakuishi et al., 2010, PMID: 20819927) (Ngiow et al., 2011, PMID: 21430066). |
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| Restrictions: | For Research Use only |
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## Handling

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| Concentration:     | 1 mg/mL                                                                                                           |
| Buffer:            | PBS with 0.02 % Proclin 300.                                                                                      |
| Preservative:      | ProClin                                                                                                           |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | 4 °C,-20 °C                                                                                                       |
| Storage Comment:   | Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.                                  |