

Datasheet for ABIN7654938

## anti-TIM3 antibody (AA 22-202) (CF®640R)



[Go to Product page](#)

### Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | TIM3 (TIM 3)                                                                                            |
| Binding Specificity: | AA 22-202                                                                                               |
| Reactivity:          | Human                                                                                                   |
| Host:                | Mouse                                                                                                   |
| Clonality:           | Monoclonal                                                                                              |
| Conjugate:           | This TIM3 antibody is conjugated to CF®640R                                                             |
| Application:         | Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp)) |

### Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | TIM3 / HAVCR2 / CD366 (Effector T-Cell Marker)(TIM3/3113), CF640R conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Immunogen:       | Recombinant fragment of human TIM3 protein (around aa 22-202)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Clone:           | TIM3-3113                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Isotype:         | IgG2a, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Characteristics: | TIMs are type I transmembrane glycoproteins with one Ig-like V-type domain and a Ser/Thr-rich mucin stalk. TIM-3 is expressed on the surface of effector T cells (CD4 Th1 and CD8 Tc1) but not on helper T cells (CD4 Th2 and CD8 Tc2). In chronic inflammation, autoimmune disorders, and some cancers, TIM-3 is upregulated on several other hematopoietic cell types. The Ig domain of TIM-3 interacts with a ligand on resting but not activated Th1 and Th2 cells. The glycosylated Ig domain of TIM-3 binds cell-associated galectin-9. This induces TIM-3 Tyr |

## Product Details

phosphorylation and pro-apoptotic signaling. TIM-3 functions as a negative regulator of Th1 cell activity. Its blockade results in increased IFN-gamma production, Th1 cell proliferation and cytotoxicity, regulatory T cell development, and increases in macrophage and neutrophil infiltration into sites of inflammation. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

## Target Details

|                   |                                                                                                                                                                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | TIM3 (TIM 3)                                                                                                                                                                                                                                                                |
| Alternative Name: | CD366                                                                                                                                                                                                                                                                       |
| Background:       | Synonyms: CD366, HAVR2, Hepatitis A virus cellular receptor 2 (HAVCR2), Kidney injury molecule 3 (KIM3), T-cell immunoglobulin and mucin domain-containing protein 3, T-cell immunoglobulin mucin receptor 3, T-cell membrane protein 3, TIM3, TIMD3<br>Gene Symbol: HAVCR2 |
| Molecular Weight: | 60 kDa                                                                                                                                                                                                                                                                      |
| Gene ID:          | 84868                                                                                                                                                                                                                                                                       |
| UniProt:          | <a href="#">Q8TDQ0</a>                                                                                                                                                                                                                                                      |
| Pathways:         | <a href="#">Regulation of Lipid Metabolism by PPARalpha</a> , <a href="#">Cancer Immune Checkpoints</a>                                                                                                                                                                     |

## Application Details

|                    |                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------|
| Application Notes: | Optimal working dilution should be determined by the investigator.                        |
| Comment:           | Positive Control: PC3, BT474, HepG2, HDLM-2 or Daudi cells. Tonsil, lymph node or spleen. |
| Restrictions:      | For Research Use only                                                                     |

## Handling

|                |                              |
|----------------|------------------------------|
| Format:        | Liquid                       |
| Concentration: | 0.1 mg/mL                    |
| Buffer:        | PBS, 0.1 % BSA, 0.05 % azide |
| Preservative:  | Sodium azide                 |

## Handling

---

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
|--------------------|------------------------------------------------------------------------------------------------------------------------|

|                  |                    |
|------------------|--------------------|
| Handling Advice: | Protect from light |
|------------------|--------------------|

|          |      |
|----------|------|
| Storage: | 4 °C |
|----------|------|

|                  |                                                                                                                                      |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Storage Comment: | Stable at room temperature or 37°C for 7 days.<br>Protect from light<br>Store at 2 to 8°C. Protect fluorescent conjugates from light |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------|

|              |           |
|--------------|-----------|
| Expiry Date: | 24 months |
|--------------|-----------|