

## Mouse anti-Human TIM3/HAVCR2/CD366 Monoclonal Antibody | anti-HAVCR2 antibody

TIM3/HAVCR2/CD366 (Effector T-Cell Marker) Mouse Monoclonal Antibody [Clone TIM3/4027]

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                       |
|-----------|-------|------------|------------------------------------|
| AAA216014 | Mouse | Human      | Immunohistochemistry, Western Blot |

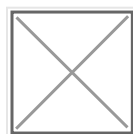
### PRODUCT SYNONYMS

TIM3/HAVCR2/CD366; Monoclonal Antibody; TIM3/HAVCR2/CD366 (Effector T-Cell Marker) Mouse Monoclonal Antibody [Clone TIM3/4027]; TIM3/HAVCR2/CD366 (Effector T-Cell Marker); 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; anti-HAVCR2 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                             |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Mouse                                                                                                                                                                       |
| Reactivity                                       | Human                                                                                                                                                                       |
| Clonality                                        | Monoclonal                                                                                                                                                                  |
| Isotype                                          | Mouse/IgG2b, kappa                                                                                                                                                          |
| Clone Number                                     | TIM3/4027                                                                                                                                                                   |
| Form/Format                                      | 200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.      |
| Concentration                                    | Purified Ab with BSA and Azide at 200ug/ml<br>OR<br>Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)                                                           |
| Applicable Applications for anti-HAVCR2 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                               |
| Immunogen                                        | Recombinant fragment of human TIM3 protein (around aa 22-202) (exact sequence is proprietary)                                                                               |
| Cellular Localization                            | Cell Surface                                                                                                                                                                |
| Positive Control                                 | HepG2 or Daudi cells. Human tonsil, lymph node or spleen.                                                                                                                   |
| Hu-chromosome Location                           | 5q33.3                                                                                                                                                                      |
| Unigene                                          | 710500                                                                                                                                                                      |
| Preparation and Storage                          | Antibody with azide: store at 2 to 8 degree C<br>Antibody without azide: store at -20 to -80 degree C<br>Antibody is stable for 24 months. Non-hazardous. No MSDS required. |

### IMAGES



#### SDS-PAGE

SDS-PAGE Analysis Purified TIM3 Mouse Monoclonal Antibody (TIM3/4027). Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| Related Product Information for anti-HAVCR2 antibody | 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 cell tonsil, lymph node or spleen. Is (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 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. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 311033536                                                                                                                                                                                                                                                       |
| NCBI GeneID                      | 84868                                                                                                                                                                                                                                                           |
| UniProt Accession #              | Q8TDQ0; Q8WW60; Q96K94; B2RAY2                                                                                                                                                                                                                                  |
| Molecular Weight                 | 301                                                                                                                                                                                                                                                             |
| NCBI Official Full Name          | Hepatitis A virus cellular receptor 2                                                                                                                                                                                                                           |
| NCBI Official Synonym Full Names | hepatitis A virus cellular receptor 2                                                                                                                                                                                                                           |
| NCBI Official Symbol             | HAVCR2                                                                                                                                                                                                                                                          |
| NCBI Official Synonym Symbols    | TIM3; KIM-3; TIMD3; Tim-3; TIMD-3; HAVcr-2                                                                                                                                                                                                                      |
| NCBI Protein Information         | hepatitis A virus cellular receptor 2; kidney injury molecule-3; T-cell membrane protein 3; T cell immunoglobulin mucin 3; T cell immunoglobulin mucin-3; T-cell immunoglobulin mucin receptor 3; T-cell immunoglobulin mucin family member 3; T-cell immunoglo |
| UniProt Protein Name             | Hepatitis A virus cellular receptor 2                                                                                                                                                                                                                           |
| UniProt Gene Name                | HAVCR2                                                                                                                                                                                                                                                          |
| UniProt Synonym Gene Names       | TIM3; TIMD3; HAVcr-2; TIMD-3; TIM-3                                                                                                                                                                                                                             |
| UniProt Entry Name               | HAVR2_HUMAN                                                                                                                                                                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.