

**HAVCR1**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2576a**

**Specification**

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**HAVCR1 - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | <b>E, WB</b>           |
| Primary Accession | <a href="#">O96D42</a> |
| Reactivity        | <b>Human</b>           |
| Host              | <b>Mouse</b>           |
| Clonality         | <b>Monoclonal</b>      |
| Isotype           | <b>Mouse IgG1</b>      |
| Calculated MW     | <b>38.7kDa KDa</b>     |

**Immunogen**

Purified recombinant fragment of human HAVCR1 (AA: 70-290) expressed in E. Coli.

**Formulation**

Purified antibody in PBS with 0.05% sodium azide

**HAVCR1 - Additional Information**

**Gene ID** 26762

**Other Names**

TIM; KIM1; TIM1; CD365; HAVCR; KIM-1; TIM-1; TIMD1; TIMD-1; HAVCR-1

**Dilution**

E~~ 1/10000  
WB~~ 1/500 - 1/2000

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

HAVCR1 is for research use only and not for use in diagnostic or therapeutic procedures.

**HAVCR1 - Protein Information**

**Name** HAVCR1

**Synonyms** KIM1, TIM1, TIMD1

**Function**

Phosphatidylserine receptor that plays an important functional role in regulatory B-cells homeostasis including generation, expansion and suppressor functions (By similarity). As P-selectin/SELPLG ligand, plays a specialized role in activated but not naive T-cell trafficking during

inflammatory responses (PubMed:<a href="http://www.uniprot.org/citations/24703780" target="\_blank">24703780</a>). Controls thereby T-cell accumulation in the inflamed central nervous system (CNS) and the induction of autoimmune disease (PubMed:<a href="http://www.uniprot.org/citations/24703780" target="\_blank">24703780</a>). Regulates also expression of various anti-inflammatory cytokines and co-inhibitory ligands including IL10 (By similarity). Acts as a regulator of T-cell proliferation (By similarity). May play a role in kidney injury and repair (PubMed:<a href="http://www.uniprot.org/citations/17471468" target="\_blank">17471468</a>).

#### Cellular Location

Cell membrane; Single-pass type I membrane protein

#### Tissue Location

Widely expressed, with highest levels in kidney and testis. Expressed by activated CD4+ T-cells during the development of helper T-cells responses.

### HAVCR1 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### HAVCR1 - Images

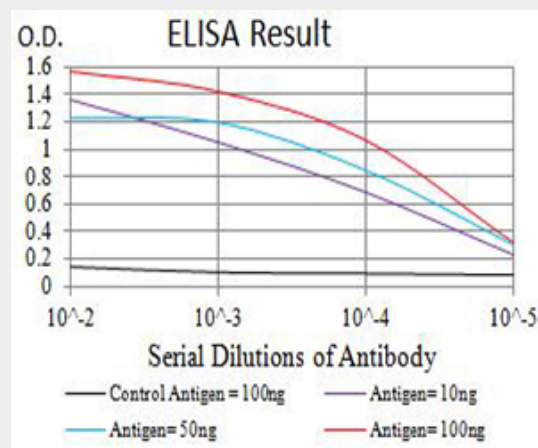


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

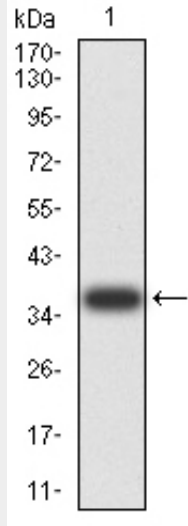


Figure 2:Western blot analysis using HAVCR1 mAb against human HAVCR1 (AA: 70-290) recombinant protein. (Expected MW is 37 kDa)

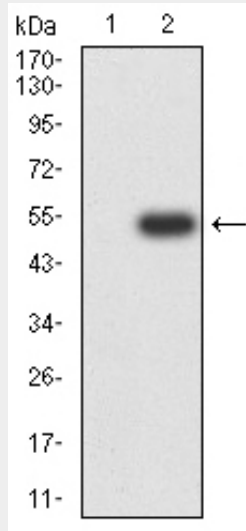


Figure 3:Western blot analysis using HAVCR1 mAb against HEK293 (1) and HAVCR1 (AA: 70-290)-hlgGfc transfected HEK293 (2) cell lysate.

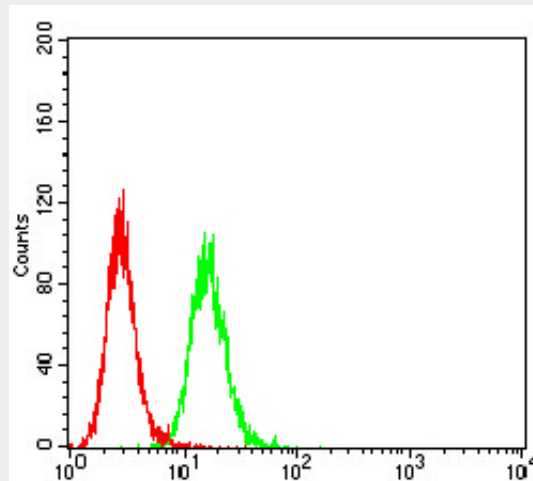


Figure 4:Flow cytometric analysis of HeLa cells using HAVCR1 mouse mAb (green) and negative

control (red).

### **HAVCR1 - References**

1. Biomed Res Int. 2015;2015:854070. 2. Pediatr Res. 2015 Oct;78(4):430-5.