

HAVCR1
Purified Mouse Monoclonal Antibody
Catalog # AO2575a**Specification**

HAVCR1 - Product Information

Application	WB, IHC, ICC, E
Primary Accession	O96D42
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	38.7kDa KDa
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

WB~~ 1/500 - 1/2000

IHC~~1:100~500

ICC~~N/A

E~~ 1/10000

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:24703780). Controls thereby T-cell accumulation in the inflamed central nervous system (CNS) and the induction of autoimmune disease (PubMed:24703780). Also regulates 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:17471468).

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

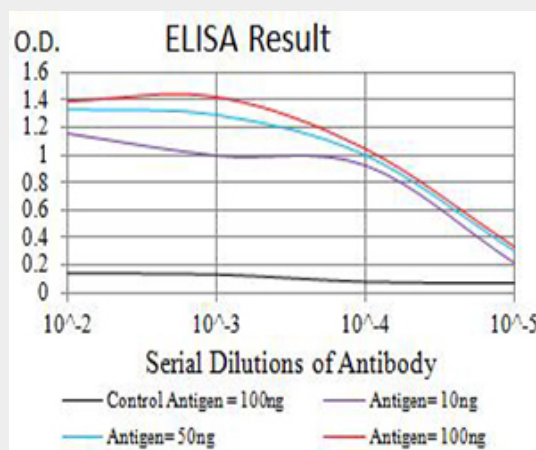


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

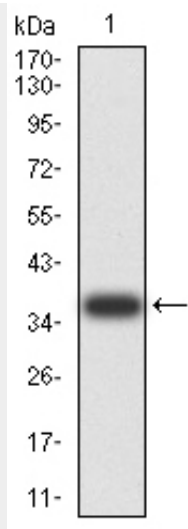


Figure 2: Western blot analysis using HAVCR1 mAb against human HAVCR1 (AA: 70-290) recombinant protein. (Expected MW is 37 kDa)

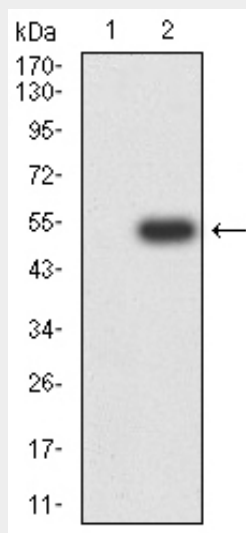


Figure 3: Western blot analysis using HAVCR1 mAb against HEK293 (1) and HAVCR1 (AA: 70-290)-hlgGFc transfected HEK293 (2) cell lysate.

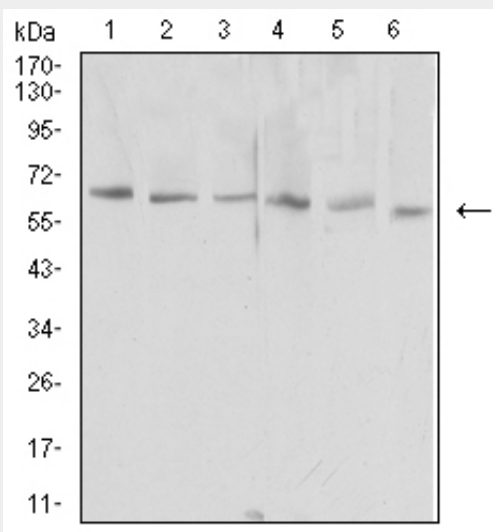


Figure 4: Western blot analysis using HAVCR1 mouse mAb against NIH/3T3 (1), HEK293 (2), Hela (3), Raw264.7 (4), Jurkat (5), and PC-2 (6) cell lysate.

HAVCR1 - References

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