10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HAVCR1
Purified Mouse Monoclonal Antibody
Catalog # AO2576a

Specification

HAVCR1 - Product Information

Application	**WB, IHC, ICC, E**
Primary Accession	Q96D42
Reactivity	**Human**
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 Cytomety
- Cell Culture

HAVCR1 - Images

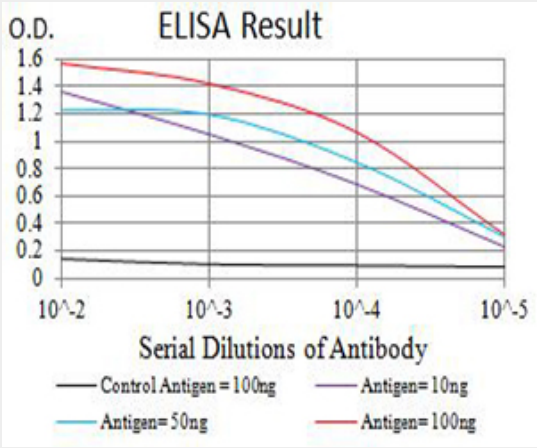

Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

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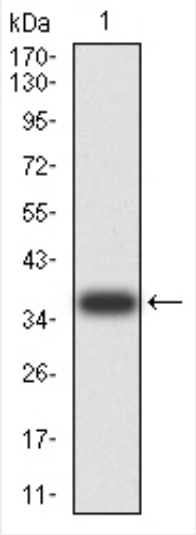

Figure 2:Western blot analysis using HAVCR1 mAb against human HAVCR1 (AA: 70-290) recombinant protein. (Expected MW is 37 kDa)

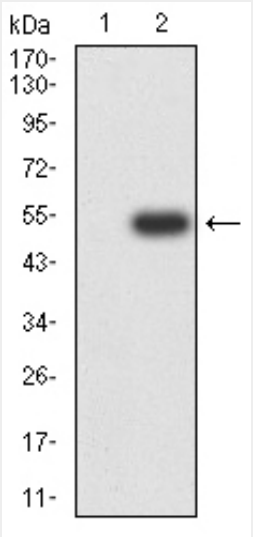

Figure 3:Western blot analysis using HAVCR1 mAb against HEK293 (1) and HAVCR1 (AA: 70-290)-hIgGFc transfected HEK293 (2) cell lysate.

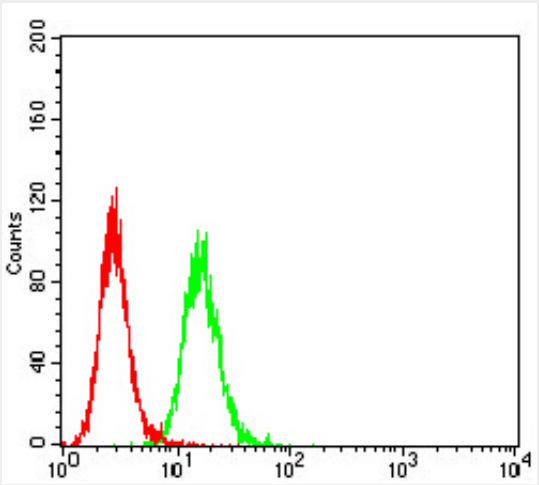

Figure 4:Flow cytometric analysis of Hela cells using HAVCR1 mouse mAb (green) and negative

control (red).

HAVCR1 - References

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