

CD226 Rabbit mAb

Catalog # AP75217

Specification

CD226 Rabbit mAb - Product Information

Application
Primary Accession
Reactivity
Host
Clonality
Calculated MW

WB, IHC-P, IHC-F, IP, ICC <u>08K4F0</u> Mouse Rabbit Monoclonal Antibody 38063

CD226 Rabbit mAb - Additional Information

Gene ID 225825

Other Names

Cd226

Dilution

WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A IP~~N/A

ICC~~N/A

Format

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

CD226 Rabbit mAb - Protein Information

Name Cd226

Synonyms Pta1

Function

Cell surface receptor that plays an important role in the immune system, particularly in intercellular adhesion, lymphocyte signaling, cytotoxicity and lymphokine secretion mediated by cytotoxic T-cells and NK cells (PubMed:19029379, PubMed:24658051, PubMed:26552706). Functions as a costimulatory receptor upon recognition of target cells, such as virus-infected or tumor cells. Upon binding to its ligands PVR/CD155 or NECTIN2/CD112 on target cells, promotes the cytotoxic activity of NK cells and CTLs, enhancing their ability to kill these cells (PubMed:<a href="http://www.uniprot.org/citations/30591568""



target="_blank">30591568). Mechanistically, phosphorylation by Src kinases such as LYN of FYN, enables binding to adapter GRB2, leading to activation of VAV1, PI3K and PLCG1. Promotes also activation of kinases ERK and AKT, as well as calcium fluxes (By similarity).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q15762}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q15762} Note=Localizes to lipid rafts. {ECO:0000250|UniProtKB:Q15762}

CD226 Rabbit mAb - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

CD226 Rabbit mAb - Images

