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

Anti-CD226-AcalephFluor488-labled

Catalog # AP100580

Product Information

Application	FC, IF/IC
Primary Accession	Q15762
Reactivity	Human
Clonality	Monoclonal
Calculated MW	38614

Additional Information

Gene ID	10666
Other Names	DNAM1; CD226 antigen; DNAX accessory molecule 1; DNAM-1; CD226
Target/Specificity	Recognizes human CD226
Dilution	FC~~1:10~50 IF/IC~~N/A
Format	Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 0.2% BSA, and 0.02% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	CD226
Synonyms	DNAM1
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:8673704, PubMed:9712030). 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:26755705, PubMed:31253644, PubMed: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; Single-pass type I membrane protein. Note=Localizes to lipid rafts.
Tissue Location	Expressed by peripheral blood T-lymphocytes.

Background

AcalephFluor488-labled mouse monoclonal antibody to CD226

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.