

CD43
Mouse Monoclonal Antibody (Mab)
Catalog # APA063

Specification

CD43 - Product Information

Application	IHC
Primary Accession	P16150
Host	Mouse
Clonality	Monoclonal
Calculated MW	40322 Da

CD43 - Additional Information

Gene ID	6693
Gene Name	SPN

Other Names

Leukosialin, GPL115, Galactoglycoprotein, GALGP, Leukocyte sialoglycoprotein, Sialophorin, CD43, CD43 cytoplasmic tail, CD43-ct, CD43ct, SPN, CD43

Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CD43 is for research use only and not for use in diagnostic or therapeutic procedures.

CD43 - Protein Information

Name SPN

Synonyms	CD43
Function	Predominant cell surface sialoprotein of leukocytes which regulates multiple T-cell functions, including T-cell activation, proliferation, differentiation, trafficking and migration. Positively regulates T-cell trafficking to lymph-nodes via its association with ERM proteins (EZR, RDX and MSN) (By similarity). Negatively regulates Th2 cell differentiation and predisposes the differentiation of T-cells towards a Th1 lineage commitment. Promotes the expression of IFN-gamma by T-cells during T-cell receptor (TCR) activation of naive cells and induces the expression of IFN-gamma by CD4(+) T-cells and to a lesser extent by CD8(+) T-cells

Cellular Location	(PubMed: 18036228). Plays a role in preparing T-cells for cytokine sensing and differentiation into effector cells by inducing the expression of cytokine receptors IFNGR and IL4R, promoting IFNGR and IL4R signaling and by mediating the clustering of IFNGR with TCR (PubMed: 24328034). Acts as a major E-selectin ligand responsible for Th17 cell rolling on activated vasculature and recruitment during inflammation. Mediates Th17 cells, but not Th1 cells, adhesion to E-selectin. Acts as a T-cell counter-receptor for SIGLEC1 (By similarity). Membrane; Single-pass type I membrane protein. Cell projection, microvillus {ECO:0000250 UniProtKB:P13838}. Cell projection, uropodium {ECO:0000250 UniProtKB:P15702}. Note=Localizes to the uropodium and microvilli via its interaction with ERM proteins (EZR, RDX and MSN) {ECO:0000250 UniProtKB:P13838, ECO:0000250 UniProtKB:P15702} Cell surface of thymocytes, T-lymphocytes, neutrophils, plasma cells and myelomas
Tissue Location	

CD43 - 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](#)

CD43 - Images