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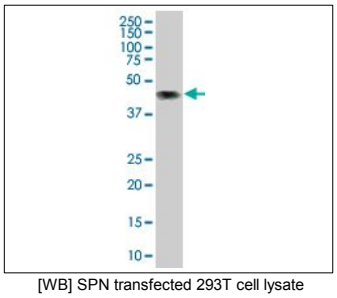
KB481

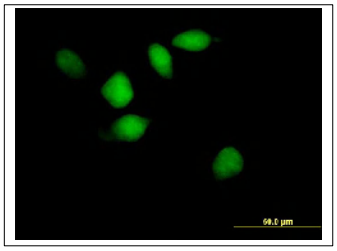
For research use only

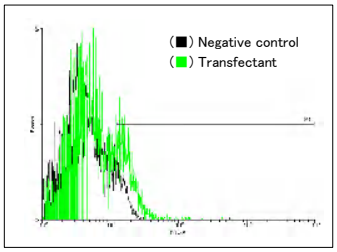
Anti Human SPN Polyclonal Antibody

Code No.	KB481
Terget	SPN
Category	Immunology
Gene ID	6693
Primary Source	HGNC:11249
Synonyms	LSN; CD43; GPL115; SPN
Type	Polyclonal Antibody
Immunogen	Recombinant protein of full length Human SPN
Raised in	Mouse
Myeloma	-
Clone number	-
Purification	Protein A purified
Source	Mouse Serum
Isotype	-
Cross Reactivity	-
Label	Unlabeled
Concentration	0.5 mg/mL
Contents (Volume)	50 µg
Buffer	PBS, pH 7.2
Storage	Store at - 20℃ long term, store at 4℃ short term. Avoid repeated freeze-thaw cycles.
Application	WB,IF,FCM



[WB] SPN transfected 293T cell lysate


[IF] HeLa cell



[FCM] SPN expressing 293 cells

ELISA	WB	IHC	ICC
-	1.0	-	-
IP	FCM	IF	Neutralization
-	1.0	10	-

(µg/mL)

Reference

1. Pallant A., et al. "Characterization of cDNAs encoding human leukosialin and localization of the leukosialin gene to chromosome 16." Proc. Natl. Acad. Sci. U.S.A. 86:1328-1332(1989)
2. Shelley C.S., et al. "Molecular characterization of sialophorin (CD43), the lymphocyte surface sialoglycoprotein defective in Wiskott-Aldrich syndrome." Proc. Natl. Acad. Sci. U.S.A. 86:2819-2823(1989)
3. Shelley C.S., et al. "Structure of the human sialophorin (CD43) gene. Identification of features atypical of genes encoding integral membrane proteins." Biochem. J. 270:569-576(1990)

UniPlot Summary

//Function: One of the major glycoproteins of thymocytes and T lymphocytes. Plays a role in the physicochemical properties of the T-cell surface and in lectin binding. Presents carbohydrate ligands to selectins. Has an extended rodlike structure that could protrude above the glycocalyx of the cell and allow multiple glycan chains to be accessible for binding. Is a counter receptor for SN/Siglec-1. During T-cell activation is actively removed from the T-cell-APC (antigen-presenting cell) contact site thus suggesting a negative regulatory role in adaptive immune response.
//Subcellular location: Membrane; Single-pass type I membrane protein.
//Tissue specificity: Cell surface of thymocytes, T-lymphocytes, neutrophils, plasma cells and myelomas.

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