

Human Leukosialin (SPN) ELISA Kit | LSN elisa kit

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CATALOG #
AAA330546

REACTIVITY
Human

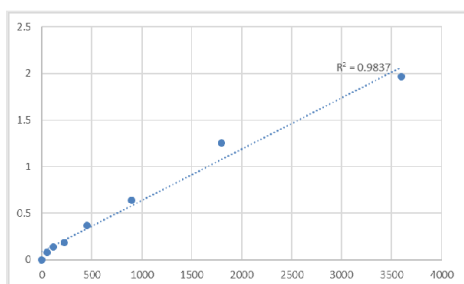
PRODUCT SYNONYMS

Leukosialin (SPN); Human Leukosialin (SPN) ELISA Kit; SPN; CD43; GPL115; leukosialin; sialophorin (gpL115; CD43); sialophorin (leukosialin; LSN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Leukosialin (SPN) ELISA Kit has high sensitivity and excellent specificity for detection of Human SPN. No significant cross-reactivity or interference between Human SPN and analogues was observed.
Sequence Length	400
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Leukosialin (SPN) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for LSN elisa kit	Description: This Human Leukosialin (SPN) ELISA Kit employs a two-site sandwich ELISA to quantitate SPN in samples. An antibody specific for SPN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SPN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPN is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SPN bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Sialophorin (leukosialin) is a major sialoglycoprotein on the surface of human T lymphocytes, monocytes, granulocytes, and some B lymphocytes, which appears to be important for immune function and may be part of a physiologic ligand-receptor complex involved in T-cell activation. The nucleotide sequence of the 1.7-kb clone showed that the sialophorin transcript has a 3-prime-noncoding region of 587 nucleotides, is polyadenylated, and has the AATAAA polyadenylation signal. The derived sequence of 341 amino acids showed that the sialophorin protein has 3 domains: an extracellular domain of 195 amino acids, a hydrophobic transmembrane domain of 23 amino acids, and a C-terminal intracellular domain of 123 amino acids which contains a number of sites that might be phosphorylated by protein kinase C.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	71979937
NCBI GeneID	6693
NCBI Accession #	NP_001025459.1
NCBI GenBank Nucleotide #	NP_001025459.1
UniProt Accession #	P16150
NCBI Official Full Name	leukosialin
NCBI Official Synonym Full Names	sialophorin
NCBI Official Symbol	SPN
NCBI Official Synonym Symbols	LSN; CD43; GALGP; GPL115
NCBI Protein Information	leukosialin
UniProt Protein Name	Leukosialin
UniProt Gene Name	SPN
UniProt Synonym Gene Names	CD43; GALGP
UniProt Entry Name	LEUK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.