

Human Sialic Acid-Binding Ig-Like Lectin 8 (SIGLEC8) ELISA Kit | SIGLEC8 elisa kit

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CATALOG #
AAA330869

REACTIVITY
Human

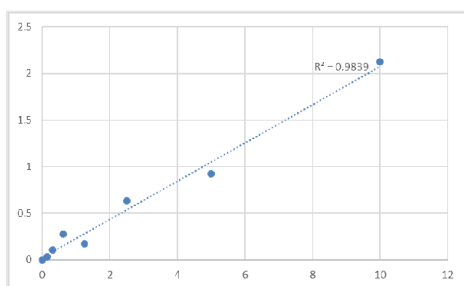
PRODUCT SYNONYMS

Sialic Acid-Binding Ig-Like Lectin 8 (SIGLEC8); Human Sialic Acid-Binding Ig-Like Lectin 8 (SIGLEC8) ELISA Kit; SIGLEC8; MGC59785; SAF2; SIGLEC-8; SIGLEC8L; SIGLEC8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Sialic acid-binding Ig-like lectin 8 (SIGLEC8) ELISA Kit has high sensitivity and excellent specificity for detection of Human SIGLEC8. No significant cross-reactivity or interference between Human SIGLEC8 and analogues was observed.
Sequence Length	499
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 Sialic acid-binding Ig-like lectin 8 (SIGLEC8) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SIGLEC8 elisa kit	Description: This Human Sialic acid-binding Ig-like lectin 8 (SIGLEC8) ELISA Kit employs a two-site sandwich ELISA to quantitate SIGLEC8 in samples. An antibody specific for SIGLEC8 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SIGLEC8 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SIGLEC8 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 SIGLEC8 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Floyd et al. (2000) identified a cDNA from an eosinophil cDNA library encoding SIGLEC8. Sequence analysis predicted that like other SIGLECs, the 431-amino acid, type 1 transmembrane protein contains a signal peptide, an N-terminal V-set domain, and 2 C2-set domains, as well as 3 potential N-linked glycosylation sites and a transmembrane region; however, SIGLEC8 has a truncated 47-residue cytoplasmic tail lacking the conserved tyrosine-based motifs. Binding analysis confirmed that SIGLEC8 binds to red blood cell sialic acids with a preference for 3-prime over 6-prime sialyllactose-conjugated polyacrylamide. FACS and immunoprecipitation analyses demonstrated SIGLEC8 expression on eosinophils but not other leukocytes as a 45- and 89-kD dimer.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	94538343
NCBI GeneID	27181
NCBI Accession #	NP_055257
NCBI GenBank Nucleotide #	NP_055257.2
UniProt Accession #	Q9NYZ4
NCBI Official Full Name	sialic acid-binding Ig-like lectin 8 isoform 1
NCBI Official Synonym Full Names	sialic acid binding Ig like lectin 8
NCBI Official Symbol	SIGLEC8
NCBI Official Synonym Symbols	SAF2; SIGLEC-8; SIGLEC8L
NCBI Protein Information	sialic acid-binding Ig-like lectin 8
UniProt Protein Name	Sialic acid-binding Ig-like lectin 8
UniProt Gene Name	SIGLEC8
UniProt Synonym Gene Names	SAF2; Siglec-8; SAF-2
UniProt Entry Name	SIGL8_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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/sialic-acid-binding-ig-like-lectin-8-siglec8/330869>