

Human Sialic Acid Binding Ig Like Lectin 12 ELISA Kit | SIGLEC12 elisa kit

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CATALOG #
AAA85559

REACTIVITY
Human

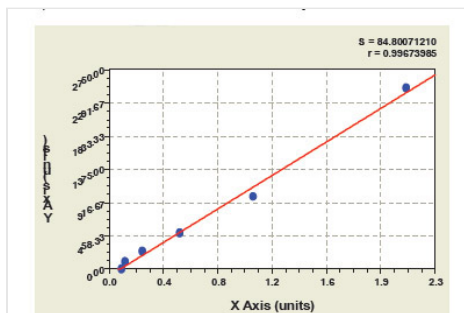
PRODUCT SYNONYMS

Sialic Acid Binding Ig Like Lectin 12; Human Sialic Acid Binding Ig Like Lectin 12 ELISA Kit; SIGLEC12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This SIGLEC12 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human SIGLEC12. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SIGLEC12 elisa kit

Principle of the Assay: SIGLEC12 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for SIGLEC12. Standards or samples are then added to the microtiter plate wells and SIGLEC12 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of SIGLEC12 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for SIGLEC12 are added to each well to "sandwich" the SIGLEC12 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain SIGLEC12 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SIGLEC12 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16506828
NCBI GeneID	89858
NCBI Accession #	NP_443729.1
NCBI GenBank Nucleotide #	NM_053003.3
Molecular Weight	51,663 Da
NCBI Official Full Name	sialic acid-binding Ig-like lectin 12 isoform a
NCBI Official Synonym Full Names	sialic acid binding Ig-like lectin 12 (gene/pseudogene)
NCBI Official Symbol	SIGLEC12
NCBI Official Synonym Symbols	S2V; SLG; SIGLECL1; Siglec-XII
NCBI Protein Information	sialic acid-binding Ig-like lectin 12; SIGLEC-like 1; sialic acid-binding Ig-like lectin-like 1
UniProt Protein Name	Sialic acid-binding Ig-like lectin 12
UniProt Gene Name	SIGLEC12
UniProt Synonym Gene Names	SIGLECL1; SLG; UNQ9215/PRO34042; Siglec-12; Siglec-L1
UniProt Entry Name	SIG12_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://stage.aaabiotech.com/siglec12-human-elisa-kits/sialic-acid-binding-ig-like-lectin-12/85559>