

Human Sialic Acid-Binding Ig-Like Lectin 7 (SIGLEC7) ELISA Kit | SIGLEC7 elisa kit

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CATALOG #
AAA330870

REACTIVITY
Human

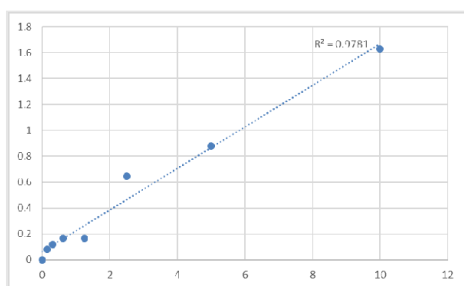
PRODUCT SYNONYMS

Sialic Acid-Binding Ig-Like Lectin 7 (SIGLEC7); Human Sialic Acid-Binding Ig-Like Lectin 7 (SIGLEC7) ELISA Kit; SIGLEC7; AIRM1; CD328; CDw328; D-siglec; QA79; SIGLEC-7; p75; p75/AIRM1; adhesion inhibitory receptor molecule 1; siglec-7; sialic acid binding immunoglobulin-like lectin 7; SIGLEC7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Sialic acid-binding Ig-like lectin 7 (SIGLEC7) ELISA Kit has high sensitivity and excellent specificity for detection of Human SIGLEC7. No significant cross-reactivity or interference between Human SIGLEC7 and analogues was observed.
Sequence Length	467
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 7 (SIGLEC7) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SIGLEC7 elisa kit	Description: This Human Sialic acid-binding Ig-like lectin 7 (SIGLEC7) ELISA Kit employs a two-site sandwich ELISA to quantitate SIGLEC7 in samples. An antibody specific for SIGLEC7 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SIGLEC7 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SIGLEC7 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 SIGLEC7 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The highest amino acid sequence similarity found was with the myeloid-specific CD33 molecule, and similar to other sialoadhesin molecules, AIRM1 appears to mediate sialic acid-dependent ligand recognition. By analyzing genomic DNA samples derived from a panel of human/hamster somatic cell hybrids, Falco et al. (1999) mapped the SIGLEC7 gene to chromosome 19. They noted that other members of the sialoadhesin family map to chromosome 19, including CD33, SIGLEC6, SIGLEC5, myelin-associated glycoprotein (MAG), and CD22. Therefore, SIGLEC7 is probably located on 19q13.3, where these other family members have been localized. Human tissues show strong expression of Siglec-7 mRNA in spleen, peripheral blood leukocytes, and liver.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	25009269
NCBI GeneID	27036
UniProt Accession #	Q9Y286
NCBI Official Full Name	Sialic acid-binding Ig-like lectin 7
NCBI Official Synonym Full Names	sialic acid binding Ig like lectin 7
NCBI Official Symbol	SIGLEC7
NCBI Official Synonym Symbols	p75; QA79; AIRM1; CD328; CDw328; D-siglec; SIGLEC-7; SIGLECP2; SIGLEC19P; p75/AIRM1
NCBI Protein Information	sialic acid-binding Ig-like lectin 7
UniProt Protein Name	Sialic acid-binding Ig-like lectin 7
UniProt Gene Name	SIGLEC7
UniProt Synonym Gene Names	AIRM1; Siglec-7; AIRM-1
UniProt Entry Name	SIGL7_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-7-siglec7/330870>