

Human ASGPR1 ELISA Kit | ASGPR1 elisa kit

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CATALOG #
AAA258385

REACTIVITY
Human

PRODUCT SYNONYMS

ASGPR1; Human ASGPR1 ELISA Kit; Asialoglycoprotein Receptor ELISA Kit; Human; asialoglycoprotein receptor 1; ASGPR ELISA Kit; ASGPR1 ELISA Kit; CLEC4H1 ELISA Kit; HL-1 ELISA Kit; ASGPR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human ASGPR1 concentration in serum and cell culture supernates.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum, Cell supernatant
Detection Range	31.25-2000pg/mL
Sensitivity	38.6pg/mL
Conjugation	HRP
Interference	Preparations of human CANX, NLK and APP at 40ng/mL in a mid-range recombinant human ASGR1 control were assayed for interference. No significant interference was observed.
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

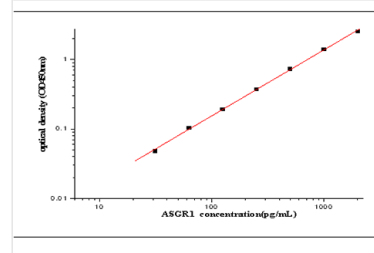
IMAGES

Recombinant human			
IL-1	IL-2	IL-33	IL-10
IL-8	TNF- α	IL-4	IL-6
IFN- γ	MIP-1 β	TIMP-1	TIMP-2
GM-CSF	SCF	PDGF	VEGF
CANX	NLK	APP	
Recombinant mouse			
ASGR1			

Application Data

This assay recognizes both recombinant and natural Human ASGR1. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
31.250	0.048
62.5	0.104
125	0.193
250	0.370
500	0.731
1000	1.398
2000	2.540



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for ASGPR1 elisa kit	This Asialoglycoprotein Receptor ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human Asialoglycoprotein Receptor protein in Serum, Cell supernatant. It contains recombinant Human Asialoglycoprotein Receptor, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: The asialoglycoprotein receptor (ASGPR), an endocytotic cell surface receptor expressed by hepatocytes, is triggered by triantennary binding to galactose residues of macromolecules such as asialoorosomuroid (ASOR). ASGPR belongs to the long-form subfamily of the C-type/Ca2+ dependent lectin family. It is a complex of two noncovalently-linked and highly homologous subunits, a major 42 kDa glycoprotein ASGPR1(MHL-1) and a minor 51 kDa glycoprotein ASGR2 (MHL-2). ASGPR1 is synthesized as a type II transmembrane protein that contains a cytosolic N-terminal domain, a single transmembrane segment, and an extracellular domain which contains two important structural regions. The first is a stalk domain that contributes to noncovalent oligomerization, and the second is a Ca2+-dependent carbohydrate binding domain at the very C-terminus that is unusually stabilized by three ions. The research regarded that ASGPR1 could be targeted for anti-hepatitis B virus (HBV) drug development.
References	Yang J, et al. (2006) Antisense oligonucleotides targeted against asialoglycoprotein receptor 1 block human hepatitis B virus replication. J Viral Hepat. 13(3): 158-65. Li Y, et al. (2008) Targeted delivery of macromolecular drugs: asialoglycoprotein receptor (ASGPR) expression by selected hepatoma cell lines used in antiviral drug development. Curr Drug Deliv. 5(4): 299-302.

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/asgpr1/258385>