

Human B4GALT1/GGTB2 ELISA Kit | B4GALT1/GGTB2 elisa kit

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CATALOG #
AAA258423

REACTIVITY
Human

PRODUCT SYNONYMS

B4GALT1/GGTB2; Human B4GALT1/GGTB2 ELISA Kit; B4GALT1 ELISA Kit; Human; UDP-Gal:betaGlcNAc beta 1; 4- galactosyltransferase; polypeptide 1; B4GALT1 ELISA Kit; beta4Gal-T1 ELISA Kit; CDG2D ELISA Kit; GGTB2 ELISA Kit; GT1 ELISA Kit; GTB ELISA Kit; B4GALT1/GGTB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human B4GALT1/GGTB2 concentration in cell lysate.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Lysate
Detection Range	156.25-10000pg/mL
Sensitivity	78.00pg/mL
Conjugation	HRP
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

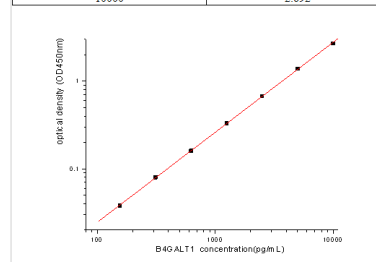
IMAGES

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

Application Data

This assay recognizes both recombinant and natural Human B4GALT1. 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
156.25	0.038
312.5	0.080
625	0.161
1250	0.332
2500	0.672
5000	1.387
10000	2.692



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 B4GALT1/GGTB2 elisa kit	This B4GALT1 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human B4GALT1 protein in Lysate. It contains recombinant Human B4GALT1, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Beta1, 4-Galactosyltransferase-I (B4GALT1), one of seven beta1, 4-galactosyltransferases, is an enzyme commonly found in the trans-Golgi complex that adds galactose to oligosaccharides. They have an N-terminal hydrophobic signal sequence that directs the protein to the Golgi apparatus and which then remains uncleaved to function as a transmembrane anchor. By sequence similarity, the beta4GalTs form four groups: beta4GalT1 and beta4GalT2, beta4GalT3 and beta4GalT4, beta4GalT5 and beta4GalT6, and beta4GalT7. B4GALT1 gene directs production of B4GALT1 protein using either of two transcription start sites. The product of the smaller transcript serves the traditional biosynthetic role in the Golgi. This form also complexes with alpha-lactalbumin, a mammary-specific protein, to form lactose synthase. In addition to a biosynthetic role, the protein translated from the longer transcript appears on the plasma membranes of some cells where it serves as a signalling receptor in cell-matrix interactions such as sperm-egg binding.
References	Hennet T. (2002) The galactosyltransferase family. Cellular and Molecular Life Sciences. 59(7): 1081-95. Landers EA, et al. (2009) Porcine 1, 4-Galactosyltransferase-I Sequence and Expression. Reproduction in Domestic Animals. 44(2): 228-34. Amado M, et al. (2000) Identification and characterization of large galactosyltransferase gene families: galactosyltransferases for all functions. Biochim Biophys Acta. 1473 (1): 35-53.

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/b4galt1-ggtb2/258423>