

Human beta 1, 3 galactosyltransferase 4 (B3GALT4) ELISA Kit | B3GALT4 elisa kit

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CATALOG #
AAA247018

REACTIVITY
Human

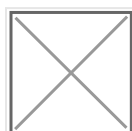
PRODUCT SYNONYMS

beta 1; 3 galactosyltransferase 4 (B3GALT4); Human beta 1; 3 galactosyltransferase 4 (B3GALT4) ELISA Kit; Human b 1; B3GALT4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of B3GALT4. No significant cross-reactivity or interference between B3GALT4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between B3GALT4 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for B3GALT4 elisa kit	Intended Uses: This B3GALT4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human B3GALT4. This ELISA kit for research use only! Principle of the Assay: B3GALT4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-B3GALT4 antibody and an B3GALT4-HRP conjugate. The assay sample and buffer are incubated together with B3GALT4-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the B3GALT4 concentration since B3GALT4 from samples and B3GALT4-HRP conjugate compete for the anti-B3GALT4 antibody binding site. Since the number of sites is limited, as more sites are occupied by B3GALT4 from the sample, fewer sites are left to bind B3GALT4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The B3GALT4 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for B3GALT4 elisa kit	Tags & Cell Markers

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502341
NCBI GeneID	8705
NCBI Accession #	NP_003773.1
NCBI GenBank Nucleotide #	NM_003782.3
Molecular Weight	41,537 Da
NCBI Official Full Name	beta-1,3-galactosyltransferase 4
NCBI Official Synonym Full Names	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4
NCBI Official Symbol	B3GALT4
NCBI Official Synonym Symbols	GALT2; GALT4; BETA3GALT4
NCBI Protein Information	beta-1,3-galactosyltransferase 4; gal-T2; b3Gal-T4; beta-1,3-GalTase 4; beta-3-galactosyltransferase 4; ganglioside galactosyltransferase; UDP-galactose:beta-N-acetyl-galactosamine-beta-1,3-galactosyltransferase
UniProt Protein Name	Beta-1,3-galactosyltransferase 4
UniProt Gene Name	B3GALT4
UniProt Synonym Gene Names	GALT4; Beta-1,3-GalTase 4; Beta3Gal-T4; Beta3GalT4; GalT4; b3Gal-T4
UniProt Entry Name	B3GT4_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/human-elisa-kits/beta-1-3-galactosyltransferase-4-b3galt4/247018>