

Mouse Beta-1,4-galactosyltransferase 5 ELISA Kit | B4galt5 elisa kit

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CATALOG #
AAA56302

REACTIVITY
Mouse

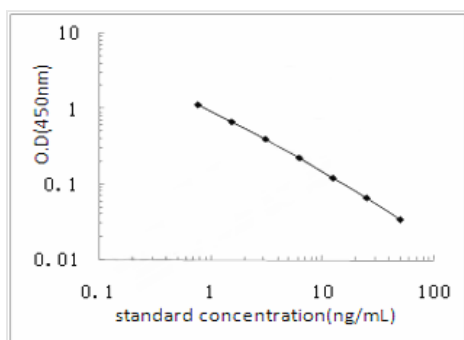
PRODUCT SYNONYMS

Beta-1; 4-galactosyltransferase 5; Mouse Beta-1; 4-galactosyltransferase 5 ELISA Kit; B4galt5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay recognizes recombinant and natural Mouse b4Gal-T5. No significant cross-reactivity or interference was observed.
Sequence Length	388
Assay Type	Competitive
Detection Range	0.78-50 ng/ml
Sensitivity	0.407 ng/mL
Intra-Assay CV	<=5.4%
Inter-Assay CV	<=7.0%
Recovery	102%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for B4galt5 elisa kit	Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to b4Gal-T5. During the reaction, b4Gal-T5 in the sample or standard competes with a fixed amount of biotin-labeled b4Gal-T5 for sites on a pre-coated Monoclonal antibody specific to b4Gal-T5. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of b4Gal-T5 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116089306
NCBI GeneID	56336
NCBI Accession #	NP_062809.2
NCBI GenBank Nucleotide #	NM_019835.2
UniProt Accession #	Q9JMK0; A2A5T7
Molecular Weight	44,814 Da
NCBI Official Full Name	beta-1,4-galactosyltransferase 5
NCBI Official Synonym Full Names	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 5
NCBI Official Symbol	B4galt5
NCBI Official Synonym Symbols	AW049941; AW539721; 9430078I07Rik
NCBI Protein Information	beta-1,4-galactosyltransferase 5
UniProt Protein Name	Beta-1,4-galactosyltransferase 5
UniProt Gene Name	B4galt5
UniProt Synonym Gene Names	Bgt-5; Beta-1,4-GalTase 5; Beta4Gal-T5; b4Gal-T5
UniProt Entry Name	B4GT5_MOUSE

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/b4galt5-mouse-elisa-kits/beta-14-galactosyltransferase-5/56302>