

Human Galactoside 2 Alpha L fucosyltransferase 1 (FUT1) ELISA Kit | FUT1 elisa kit

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CATALOG #
AAA246599

REACTIVITY
Human

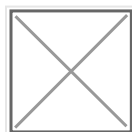
PRODUCT SYNONYMS

Galactoside 2 Alpha L fucosyltransferase 1 (FUT1); Human Galactoside 2 Alpha L fucosyltransferase 1 (FUT1) ELISA Kit; FUT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FUT1 elisa kit

Intended Uses: This FUT1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human FUT1. This ELISA kit for research use only!

Principle of the Assay: FUT1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-FUT1 antibody and an FUT1-HRP conjugate. The assay sample and buffer are incubated together with FUT1-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 FUT1 concentration since FUT1 from samples and FUT1-HRP conjugate compete for the anti-FUT1 antibody binding site. Since the number of sites is limited, as more sites are occupied by FUT1 from the sample, fewer sites are left to bind FUT1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FUT1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for FUT1 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #

[4503805](#)

NCBI GeneID	2523
NCBI Accession #	NP_000139.1
NCBI GenBank Nucleotide #	NM_000148.3
Molecular Weight	41,251 Da
NCBI Official Full Name	galactoside 2-alpha-L-fucosyltransferase 1
NCBI Official Synonym Full Names	fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase, H blood group)
NCBI Official Symbol	FUT1
NCBI Official Synonym Symbols	H; HH; HSC
NCBI Protein Information	galactoside 2-alpha-L-fucosyltransferase 1; alpha(1,2)FT 1; alpha (1,2) fucosyltransferase; alpha(1,2) fucosyltransferase 1; blood group H alpha 2-fucosyltransferase; GDP-L-fucose:beta-D-galactoside 2-alpha-L-fucosyltransferase 1; fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase)
UniProt Protein Name	Galactoside 2-alpha-L-fucosyltransferase 1
UniProt Gene Name	FUT1
UniProt Synonym Gene Names	H; HSC
UniProt Entry Name	FUT1_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/galactoside-2-alpha-l-fucosyltransferase-1-fut1/246599>