

Human Galactoside 2 Alpha L fucosyltransferase 2 (FUT2) ELISA Kit | FUT2 elisa kit

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CATALOG #
AAA245412

REACTIVITY
Human

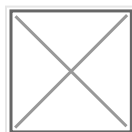
PRODUCT SYNONYMS

Galactoside 2 Alpha L fucosyltransferase 2 (FUT2); Human Galactoside 2 Alpha L fucosyltransferase 2 (FUT2) ELISA Kit; FUT2 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 FUT2 elisa kit

Intended Uses: This FUT2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human FUT2.

Principle of the Assay: FUT2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-FUT2 antibody and an FUT2-HRP conjugate. The assay sample and buffer are incubated together with FUT2-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 FUT2 concentration since FUT2 from samples and FUT2-HRP conjugate compete for the anti-FUT2 antibody binding site. Since the number of sites is limited, as more sites are occupied by FUT2 from the sample, fewer sites are left to bind FUT2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FUT2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for FUT2 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI

[148237372](#)

NCBI GeneID	2524
NCBI Accession #	NP_000502.4
NCBI GenBank Nucleotide #	NM_000511.5
Molecular Weight	37,740 Da
NCBI Official Full Name	galactoside 2-alpha-L-fucosyltransferase 2
NCBI Official Synonym Full Names	fucosyltransferase 2 (secretor status included)
NCBI Official Symbol	FUT2
NCBI Official Synonym Symbols	SE; Se2; sej; SEC2; B12QTL1
NCBI Protein Information	galactoside 2-alpha-L-fucosyltransferase 2; alpha(1,2)FT2; alpha(1,2)FT 2; secretor factor; alpha (1,2) fucosyltransferase; secretor blood group alpha-2-fucosyltransferase; GDP-L-fucose:beta-D-galactoside 2-alpha-L-fucosyltransferase 2
UniProt Protein Name	Galactoside 2-alpha-L-fucosyltransferase 2
UniProt Gene Name	FUT2
UniProt Synonym Gene Names	SEC2; Se
UniProt Entry Name	FUT2_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-2-fut2/245412>