

Human Fucosyltransferase 2 (FUT2) ELISA Kit | FUT2 elisa kit

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CATALOG #
AAA219765

REACTIVITY
Human

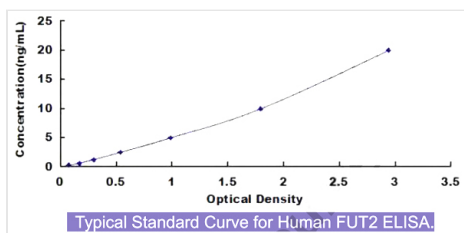
PRODUCT SYNONYMS

Fucosyltransferase 2 (FUT2); Human Fucosyltransferase 2 (FUT2) ELISA Kit; Alpha(1; 2)FT 2; FUT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of FUT2. No significant cross-reactivity or interference between FUT2 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates or other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.124ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FUT2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level FUT2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Shelf Life: 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FUT2 elisa kit

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to FUT2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to FUT2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain FUT2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of FUT2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of FUT2 in human tissue homogenates, cell lysates or other biological fluids.

Product Categories/Family for FUT2 elisa kit	Traditional ELISA Kit
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NCBI AND UNIPROT INFORMATION

NCBI GI #	148237372
NCBI GeneID	2524
NCBI Accession #	NP_000502.4
NCBI GenBank Nucleotide #	NM_000511.5
UniProt Accession #	Q10981; Q0VAG5; Q14338; Q5D0G2
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/fucosyltransferase-2-fut2/219765>