

Human Lactoferrin ELISA Kit | LTF/LF elisa kit

Human Lactoferrin ELISA Kit

CATALOG #
AAA86810

REACTIVITY
Human

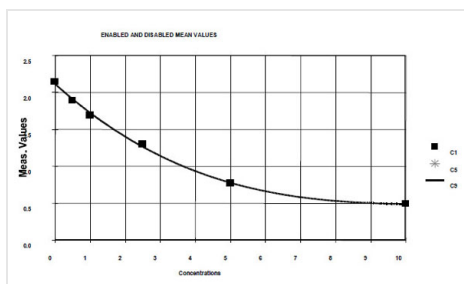
PRODUCT SYNONYMS

Lactoferrin; Human Lactoferrin ELISA Kit; Lactoferrin (Human); LTF/LF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LTF/LF elisa kit

For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma

Intended Uses: This LTF/LF ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of LTF/LF in the sample, this LTF/LF ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus LTF/LF concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of LTF/LF utilizes a multiclonal anti-LTF/LF antibody and an LTF/LF-HRP conjugate. The assay sample and buffer are incubated together with LTF/LF-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 LTF/LF concentration since LTF/LF from samples and LTF/LF-HRP conjugate compete for the anti-LTF/LF antibody binding site. Since the number of sites is limited, as more sites are occupied by LTF/LF from the sample, fewer sites are left to bind LTF/LF-HRP conjugate. Standards of known LTF/LF concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of LTF/LF. The LTF/LF concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	312433998
NCBI GeneID	4057
NCBI Accession #	NP_001186078.1
NCBI GenBank Nucleotide #	NM_001199149.1
UniProt Accession #	P02788; O00756; Q16780; Q16785; Q16786; Q16789; Q8IU92; Q8IZH6; Q8TCD2; Q96KZ4; Q96KZ5; Q9H1Z3; Q19KS2; Q2TUW9; Q5DSM0; Q5EK51; Q8IWS6; Q8IX02
Molecular Weight	78,182 Da
NCBI Official Full Name	lactotransferrin isoform 2
NCBI Official Synonym Full Names	lactotransferrin
NCBI Official Symbol	LTF
NCBI Official Synonym Symbols	LF; HLF2; GIG12
NCBI Protein Information	lactotransferrin; talalactoferrin; OTTHUMP00000209779; OTTHUMP00000209780; OTTHUMP00000209781; neutrophil lactoferrin; growth-inhibiting protein 12
UniProt Protein Name	Lactotransferrin
UniProt Gene Name	LTF
UniProt Synonym Gene Names	LF
UniProt Entry Name	TRFL_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.