

Human Lactotransferrin, LTF ELISA Kit | LTF elisa kit

Human Lactotransferrin, LTF Primacu ELISA Kit

CATALOG #
AAA124146

REACTIVITY
Human

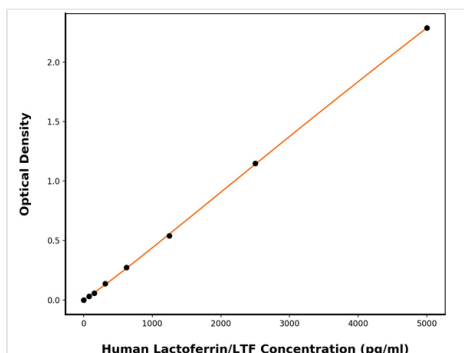
PRODUCT SYNONYMS

Lactotransferrin; LTF; Human Lactotransferrin; LTF Primacu ELISA Kit; Lactoferrin; GIG12; LF; LTF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	78.125-5000pg/mL
Sensitivity	20.95pg/mL
Standard Solution	50ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for LTF elisa kit	Lactotransferrin, also known as Lactoferrin, Talalactoferrin, and LTF, is a secreted protein that belongs to the transferrin family. Transferrins are iron binding transport proteins that can bind two Fe3+ ions in association with the binding of an anion, usually bicarbonate. Lactotransferrin has antimicrobial activity which depends on the extracellular cation concentration. Lactoferroxins A, B, and C have opioid antagonist activity. Lactoferrin A shows a preference for mu-receptors, while lactoferricin B and lactoferricin C have somewhat higher degrees of preference for kappa-receptors than for mu-receptors. Lactoferrin/LTF is a globular glycoprotein that is widely represented in various secretory fluids, such as milk, saliva, tears, and nasal secretions. Lactoferrin/LTF is also present in secondary granules of PMN and is secreted by some acinar cells. Lactoferrin/LTF can be purified from milk or produced recombinantly. Human colostrum has the highest concentration, followed by human milk, then cow milk. Lactoferrin/LTF is one of the components of the immune system of the body; it has antimicrobial activity (bacteriocide, fungicide) and is part of the innate defense, mainly at mucose. In particular, lactoferrin provides an antibacterial activity to human infants. Lactoferrin interacts with DNA and RNA, polysaccharides and heparin, and shows some of its biological functions in complexes with these ligands.
Product Categories/Family for LTF elisa kit	Primacu ELISA Kit; Cancer; Cardiovascular; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	2104522
NCBI GeneID	4057
UniProt Accession #	P02788; O00756; Q16780; Q16785; Q16786; Q16789; Q5DSM0; Q8IU92; Q8IZH6; B2MV13; B7Z4X2; E7EQH5
Molecular Weight	78,182 Da
NCBI Official Full Name	lactoferrin
NCBI Official Synonym Full Names	lactotransferrin
NCBI Official Symbol	LTF
NCBI Official Synonym Symbols	LF; HLF2; GIG12
NCBI Protein Information	lactotransferrin; talalactoferrin; neutrophil lactoferrin; growth-inhibiting protein 12
UniProt Protein Name	Lactotransferrin
UniProt Gene Name	LTF
UniProt Synonym Gene Names	GIG12; LF; Lactoferrin; Lfcin-H
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.