

Bovine Lactoferrin (LTF) CLIA Kit | LTF clia kit

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CATALOG # AAA188978	REACTIVITY Bovine	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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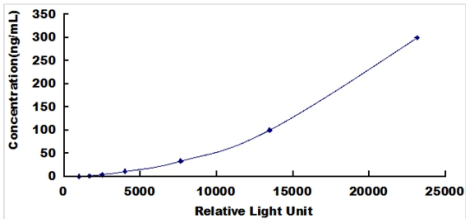
PRODUCT SYNONYMS

Lactoferrin (LTF); Bovine Lactoferrin (LTF) CLIA Kit; Lactoferrin; HLF2; LF; GIG12; Lactotransferrin; Growth-inhibiting protein 12; Talalactoferrin; Lfcin-H; Kaliocin-1; LTF clia kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of Lactoferrin (LTF). No significant cross-reactivity or interference between Lactoferrin (LTF) and analogues was observed.
Sequence Length	708
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, saliva, milk, cell culture supernates and other biological fluids
Detection Range	0.41-300ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.14ng/mL
Applicable Applications for LTF clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Lactoferrin (LTF) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Lactoferrin (LTF) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Lactoferrin (LTF). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Lactoferrin (LTF). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Lactoferrin (LTF) level in the sample or standard.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	30794292
NCBI GeneID	280846
NCBI Accession #	NP_851341.1
NCBI GenBank Nucleotide #	NP_851341.1
UniProt Accession #	P24627
NCBI Official Full Name	lactotransferrin
NCBI Official Synonym Full Names	lactotransferrin
NCBI Official Symbol	LTF
NCBI Official Synonym Symbols	Lf
NCBI Protein Information	lactotransferrin
UniProt Protein Name	Lactotransferrin
UniProt Gene Name	LTF
UniProt Synonym Gene Names	Lactoferrin; Lfcin-B

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.