

Canine Lactoferrin ELISA Kit | LF elisa kit

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CATALOG #
AAA93689

REACTIVITY
Canine

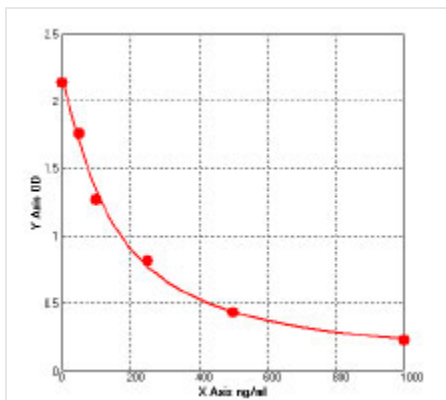
PRODUCT SYNONYMS

Lactoferrin; Canine Lactoferrin ELISA Kit; LF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of LTF. No significant cross-reactivity or interference between LTF and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LTF and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LF elisa kit	Intended Uses: This LTF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine LTF. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: LTF ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-LTF antibody and an LTF-HRP conjugate. The assay sample and buffer are incubated together with LTF-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 concentration since LTF from samples and LTF-HRP conjugate compete for the anti-LTF antibody binding site. Since the number of sites is limited, as more sites are occupied by LTF from the sample, fewer sites are left to bind LTF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LTF concentration in each sample is interpolated from this standard curve.
Product Categories/Family for LF elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	187122
NCBI GeneID	4057
Molecular Weight	73,161 Da
NCBI Official Full Name	lactoferrin
NCBI Official Synonym Full Names	lactotransferrin
NCBI Official Symbol	LTF
NCBI Official Synonym Symbols	LF; HLF2; GIG12; HEL110
NCBI Protein Information	lactotransferrin; talalactoferrin; neutrophil lactoferrin; growth-inhibiting protein 12; epididymis luminal protein 110
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.