Lactoferrin (LTF) ELISA Kit for Donkey

PRODUCT OVERVIEW

Product Name	Lactoferrin (LTF), ELISA Kit
Full Product Name	Donkey Lactoferrin (LTF) ELISA Kit
Product Gene Name	LTF elisa kit
Product Synonym Names	GIG12; HLF2; LF; growth-inhibiting protein 12|lactoferrin|neutrophil lactoferrin|talalactoferrin
Species Reactivity	Donkey
Assay Type	Sandwich
Specificity	This assay has high sensitivity and excellent specificity for detection of Donkey LTF. No significant cross-reactivity or interference between Donkey LTF and analogues was observed.
Preparation and Storage	Store at 2-8 degree C. Please refer to Instruction Manual.
Assay	Serum, Plasma, Other biological fluids
Analysis Method	Quantitive
Detection Wavelength	450nm
Sample Volume	1-200uL
Assay Duration	1-4.5h
Precision	Intra-assay Precision (Precision within an assay): Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100 Intra-Assay: CV Inter-Assay: CV
Test Principle	This assay employs a two-site sandwich ELISA to quantitate LTF in samples. An antibody specific for LTF has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LTF present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LTF is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of LTF bound in the initial step. The color development is stopped and the intensity of the color is measured.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for LTF elisa kit	MBS2802516 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Lactoferrin (LTF) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing LTF. The ELISA analytical biochemical technique of the MBS2802516 kit is based on LTF antibody-LTF antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect LTF antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, LTF. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of LTF elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LTF. It may not necessarily be applicable to this product.

Protein Family	L-shaped tail fiber protein
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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