Lactoferrin (LTF) Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	Lactoferrin (LTF), Monoclonal Antibody
Full Product Name	Botin-Linked Monoclonal Antibody to Lactoferrin (LTF)
Product Gene Name	anti-LTF antibody
Product Synonym Names	HLF2; LF; GIG12; Lactotransferrin; Growth-inhibiting protein 12; Talalactoferrin; Lfcin-H; Kaliocin-1
Clonality	Monoclonal
Clone Number	2#
Host	Mouse
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Concentration	500ug/ml (lot specific)
Specificity	The antibody is a mouse monoclonal antibody raised against LTF. It has been selected for its ability to recognize LTF in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 4 degree C for frequent use. Aliquot and store at -20 degree C for 12 months. Avoid repeated freeze/thaw cycles. The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: LTF Clone #2# (MBS2001267) Biotin Conjugated Antibody: LTF Clone #2# (MBS2107774)
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Conjugation	Biotin
Cross Reactivity	Human
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-LTF antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Related Product Information for anti-LTF antibody	MBS2107774 is an antibody targeting LTF. Also known as Botin-Linked Monoclonal Antibody to Lactoferrin (LTF). Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-LTF antibody 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.

NCBI GI #	2104522

NCBI GeneID	4057
NCBI Accession #	AAB57795.1
UniProt Related Accession #	P02788
NCBI Official Full Name	lactoferrin, partial
NCBI Official Synonym Full Names	lactotransferrin
NCBI Official Symbol	LTF
NCBI Official Synonym Symbols	LF; HLF2; GIG12; HEL110
Protein Family	L-shaped tail fiber protein
NCBI Protein Information	lactotransferrin
NCBI Summary for LTF	This gene is a member of the transferrin family of genes and its protein product is found in the secondary granules of neutrophils. The protein is a major iron-binding protein in milk and body secretions with an antimicrobial activity, making it an important component of the non-specific immune system. The protein demonstrates a broad spectrum of properties, including regulation of iron homeostasis, host defense against a broad range of microbial infections, anti-inflammatory activity, regulation of cellular growth and differentiation and protection against cancer development and metastasis. Antimicrobial, antiviral, antifungal and antiparasitic activity has been found for this protein and its peptides. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2014]
Research Articles on LTF	**1.** The anionic CD44-targeting chondroitin sulfate and cationic low density lipoprotein (LDL)-targeting lactoferrin (LF) were sequentially assembled onto the surface of the positively charged oily core
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