Lactoferrin (LTF) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Lactoferrin (LTF), Polyclonal Antibody
Full Product Name	APC-Linked Polyclonal 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	Polyclonal
Host	Rabbit
Species Reactivity	Goat, Rat
Concentration	>=100ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: LTF (MBS2005974) APC Conjugated Antibody: LTF (MBS2047258)
Matching Pairs	APC Conjugated Antibody: LTF (MBS2047258) Immunogen: LTF (MBS2010495)
Molecular Weight	73,161 Da
OMIM	X53961 mRNA
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	caprine LTF (Val25~Glu352)
Conjugation	APC
Cross Reactivity	Chicken
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2005974
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-LTF antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-LTF antibody	MBS2047258 is an antibody targeting LTF. Also known as APC-Linked Polyclonal Antibody to Lactoferrin (LTF). Reactive in Goat, Rat. Host: Rabbit.
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 Secondary Accession #	O00756; Q16780; Q16785; Q16786; Q16789; Q5DSM0; Q8IU92; A8K9U8; B2MV13; B7Z4X2; E7EQH5

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
UniProt Protein Name	Lactotransferrin
UniProt Synonym Protein Names	Growth-inhibiting protein 12; Talalactoferrin
Protein Family	L-shaped tail fiber protein
UniProt Gene Name	LTF
UniProt Synonym Gene Names	GIG12; LF; Lactoferrin; Lfcin-H
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]
UniProt Comments for LTF	LTF: Transferrins are iron binding transport proteins which can bind two Fe(3+) ions in association with the binding of an anion, usually bicarbonate. Belongs to the transferrin family. 2 isoforms of the human protein are produced by alternative promoter. Protein type: EC 3.4.21.-; Protease; Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 3p21.31 Cellular Component: cell surface; cytoplasm; extracellular region; extracellular space; nucleus; protein complex; secretory granule; specific granule Molecular Function: heparin binding; iron ion binding; protein binding; protein serine/threonine kinase activator activity Biological Process: activation of NF-kappaB transcription factor; antibacterial humoral response; antifungal humoral response; cell redox homeostasis; cellular protein metabolic process; humoral immune response; innate immune response in mucosa; iron assimilation by chelation and transport; negative regulation of apoptosis; negative regulation of ATPase activity; negative regulation of lipopolysaccharide-mediated signaling pathway; negative regulation of viral genome replication; negative regulation of viral reproduction; positive regulation of I-kappaB kinase/NF-kappaB cascade; positive regulation of osteoblast differentiation; positive regulation of osteoblast proliferation; positive regulation of toll-like receptor 4 signaling pathway; regulation of cytokine production; regulation of tumor necrosis factor production; retinal homeostasis
Research Articles on LTF	**1.** 3 LTF tag SNPs were genotyped; allele A was found to be significantly less frequent in the polarization group, conferring a protective effect against caries experience. Results might contribute to the understanding of the genetic control of caries susceptibility.
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