

Mouse anti-Human Lactotransferrin/Lactoferrin/LTF Monoclonal Antibody | anti-LTF antibody

Lactotransferrin/Lactoferrin/LTF Mouse Monoclonal Antibody [Clone LTF/4075]

CATALOG # AAA215775	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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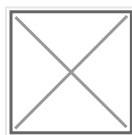
PRODUCT SYNONYMS

Lactotransferrin/Lactoferrin/LTF; Monoclonal Antibody; Lactotransferrin/Lactoferrin/LTF Mouse Monoclonal Antibody [Clone LTF/4075]; GIG12; Growth inhibiting protein 12; HLF2; Kaliocin 1; Lactoferrin; Lactoferroxin-C; Lactotransferrin; LF; LTF; Neutrophil lactoferrin; Talalactoferrin; anti-LTF antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2b, kappa
Clone Number	LTF/4075
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-LTF antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant fragment (around aa614-645) of human Lactotransferrin protein (exact sequence is proprietary)
Cellular Localization	Secreted
Positive Control	Human lactating breast or prostate tissue.
Hu-chromosome Location	3q21.31
Unigene	529517
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human prostate carcinoma stained with Lactotransferrin Mouse Monoclonal Antibody (LTF/4075). Inset: PBS instead of primary, secondary negative control.

ADDITIONAL INFORMATION

Related Product Information for anti-LTF antibody	Ferritin and transferrins manage necessary iron-binding functions for iron metabolism. Transferrins comprise a class of single-chain, two-sited, metal-binding proteins expressed throughout the fluid and cells of vertebrates. The three major types of transferrin include serotransferrin, lactotransferrin (lactoferrin) and ovotransferrin. Lactoferrin is found in milk, tears and leukocytes. It degrades an IgA1protease secreted by Haemophilus influenzae and, consequently, allows the human IgA1antibody to effectively abolish Haemophilus influenzae colonization. Lactoferrin also attenuates the pathogenic potential of Haemophilus influenzae by proteolytic degradation of the Hap adhesin. While lactoferrin may aid in the transmission of human T cell leukemia virus type 1, it inhibits HIV-1 replication at the level of viral fusion and entry into cells. The inhibitory effects of lactoferrin on mixed lymphocyte reactions suggest that it may have the ability to sense the activation status of lymphocytes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2104522
NCBI GeneID	4057
UniProt Accession #	P02788; O00756; Q16780; Q16785; Q16786; Q16789; Q5DSM0; Q8IU92; Q8IZH6; B2MV13; B7Z4X2; E7EQH5
Molecular Weight	78,182 Da
NCBI Official Full Name	lactoferrin
NCBI Official Synonym Full Names	lactotransferrin
NCBI Official Symbol	LTF
NCBI Official Synonym Symbols	LF; HLF2; GIG12
NCBI Protein Information	lactotransferrin; talalactoferrin; neutrophil lactoferrin; growth-inhibiting protein 12
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.