

Mouse Lactoferrin Monoclonal Antibody | anti-LTF antibody

Lactoferrin, Bovine, mAb a-bC-lobe

CATALOG # AAA77786	HOST Mouse	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

Lactoferrin; Monoclonal Antibody; Bovine; mAb a-bC-lobe; anti-LTF antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Purity/Purification	Protein G
Form/Format	0.2 um filtered in PBS+0.1%BSA+0.02%NaN3
Concentration	1.39mg/mL (varies by lot)
Sequence Length	475
Applicable Applications for anti-LTF antibody	WB (Western Blot), IA (Immunoassay)
Cross reactivity	Human lactoferrin: Weak Korean goat lactoferrin: Weak Bovine transferrin: Slight Human transferrin: No Chicken ovotransferrin: No
Preparation and Storage	Product should be stored at 4 degree C. Under recommended storage conditions, product is stable for one year.

IMAGES

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes						•		•
No								
N.D.	•	•	•	•	•		•	

N.D. = Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot

Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-LTF antibody

Product Description: Monoclonal antibody a-bC-lobe, anti bovine Lactoferrin (Lf) is highly specific for bovine Lactoferrin. This protein is a member of the transferrin family of metal-binding proteins found in milk and other secretory fluids and also in blood. It shows multifunctional properties of which the bacteriostatic and bactericidal effects are the best known. The molecule is constructed with a N-terminal half molecule (N-lobe) and a C-terminal half molecule (C-lobe), each of which is composed of two domains. The biologically important functions have been found mainly in the N-lobe. The lactoferrin determinants responsible for binding to Ca²⁺-dependent receptor on hepatocytes are present within the C-lobe. The monoclonal antibody a-bC-lobe shows strong reactivities with both native and denatured forms of bovine lactoferrin and C-lobe. The 'WNIPMGL' sequence (467-473 of bovine lactoferrin) is the antigenic determinant or epitopic site of the anti C-lobe antibody a-bC-lobe. The antibody shows weak reactivity with human lactoferrin and korean goat lactoferrin, slight cross reactivity is seen with bovine transferrin, whereas no cross reactivity is seen with human transferrin and chicken ovotransferrin.

References	1. Shimazaki, K et al; Structural and immunochemical studies on bovine lactoferrin fragments. Adv Exp Med Biol 1998, 443: 41 2. Nam, S et al; Characterization of Korean native goat lactoferrin. Comp Biochem Physiol part B 1999, 123: 201 3. Nam, S et al; Fine structures of epitopic sites in human and bovine lactoferrin recognized by anti-bovine lactoferrin C-lobe monoclonal antibody. Food and Agricultural Immunology 2002, 14: 139
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2104522
NCBI GeneID	4057
NCBI Official Full Name	lactoferrin, partial
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/lactoferrin-antibody-western-blot-immunoassay-elisa/77786>