

Product datasheet for **AM26156PU-N**

LTF (C-lobe) Mouse Monoclonal Antibody [Clone ID: a-bC-lobe]

Product data:

Product Type:	Primary Antibodies
Clone Name:	a-bC-lobe
Applications:	ELISA, WB
Recommended Dilution:	Western blot. Immunoassay (detection). The typical starting working dilution is 1:10.
Reactivity:	Bovine, Goat, Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody 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.
Formulation:	PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% bovine serum albumin Preservative: 0.02% sodium azide
Concentration:	lot specific
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C.
Stability:	Shelf life: one year from despatch.
Database Link:	Entrez Gene 280846 Bovine P24627



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Background:

Lactoferrin 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.

Synonyms:

LTF, LF, Lactoferrin, EC=3.4.21, Talalactoferrin