

Product datasheet for **AM32104PU-N**

LTF (467-473) 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. Immuno Assay: Use 1/10 as starting working dilution (Detection).
Reactivity:	Bovine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This Monoclonal antibody <i>a-bC-lobe</i> , anti bovine Lactoferrin (Lf) is highly specific for Bovine Lactoferrin. The monoclonal antibody <i>a-bC-lobe</i> 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 <i>a-bC-lobe</i> . The antibody shows weak reactivity with Human Lactoferrin and Korean Goat Lactoferrin, slight cross reactivity is seen with Bovine Transferring, whereas no cross reactivity is seen with Human transferring and Chicken Ovotransferrin.
Formulation:	PBS State: Liquid State: Liquid 0.2 µm filtered Stabilizer: 0.1% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
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 Ca ²⁺ -dependent receptor on hepatocytes are present within the C-lobe.
Synonyms:	LTF, LF, Lactoferrin, EC=3.4.21, Talalactoferrin