

Product datasheet for **AM20260FC-N**

Lactoferrin (LTF) Mouse Monoclonal Antibody [Clone ID: NI 25]

Product data:

Product Type:	Primary Antibodies
Clone Name:	NI 25
Applications:	ELISA, IF, IP, WB
Recommended Dilution:	To identify the presence of Lactoferrin in Human milk, other body fluids, cell and tissue substrates and to determine its concentration in techniques as ELISA, indirect immunoperoxidase and indirect Immunofluorescence staining and Immunoblotting. <u>General Recommended Dilutions:</u> Histochemical Use: from 1/10 upwards.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Highly purified lactoferrin isolated from Human milk.
Specificity:	The reactivity of the antiserum is restricted to Lactoferrin as tested in indirect binding Immunoblotting and Indirect Immunoperoxidase staining. The antiserum does not react with any other component of the human milk or plasma protein as tested. This antiserum has not been tested for cross-reactivity with other species.
Formulation:	PBS, pH 7.2 without preservatives or foreign proteins Label: FITC State: Lyophilized purified Ig fraction Label: Fluorescein Isothiocyanate Absorption emission: 492 nm / 515 nm Molar ratio: Fluorochrome/IgG ~1.0
Reconstitution Method:	Restore by adding 0.5 ml sterile distilled water
Concentration:	lot specific
Conjugation:	FITC
Storage:	Store lyophilized at 2-8°C and reconstituted at 2-8°C for one week or (in aliquots) at -20°C for longer. Avoid Repeated thawing and freezing.



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Stability:	Shelf life: one year from despatch.
Gene Name:	lactotransferrin
Database Link:	Entrez Gene 4057 Human P02788
Background:	Human lactoferrin is a 78kD globular protein found in body secretions such as milk and saliva and is a member of the transferrin family proteins. Transferrins control the level of free iron in the body, by binding and transporting iron. Lactoferrin does not appear to have a transporting function, instead it has antimicrobial activity, by keeping the levels of iron in body fluids low and thus preventing microbes from acquiring iron. Removing free iron from body fluids and inflamed areas also serve to protect against the damaging effects of free radicals. Lactoferrin is used as a therapeutic and prophylactic treatment of various illnesses, such as cancers and intestinal illnesses. May be used to detect lactoferrin in ELISA assays.
Synonyms:	LTF, LF, Lactoferrin, EC=3.4.21, Talalactoferrin
Protein Families:	Druggable Genome, Protease, Secreted Protein