

## Mouse Anti-Lactoferrin antibody

SLM-33172M

<b>Product Name</b>	Lactoferrin
<b>Chinese Name</b>	乳铁蛋白单克隆抗体
<b>Alias</b>	CKRX; GIG12; Growth inhibiting protein 12; HLF2; Homo sapiens chemokine receptor X; Kaliocin 1; Lactoferrin; Lactoferroxin A; Lactoferroxin B; Lactoferroxin C; Lactoferroxin-C; Lactotransferrin; LF; LTF; Neutrophil lactoferrin; Talalactoferrin alfa; Talalactoferrin; TRFL_HUMAN.
<b>Research Area</b>	Tumour Cardiovascular Cell biology immunology
<b>Immunogen Species</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone NO.</b>	3A1
<b>React Species</b>	Human IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000 (Paraffin sections need antigen repair)
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Theoretical molecular weight</b>	77kDa
<b>Cellular localization</b>	The nucleus cytoplasmic Secretory protein
<b>Form</b>	Liquid
<b>Concentration immunogen</b>	1mg/ml KLH conjugated synthetic peptide derived from human Lactoferrin
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein G
<b>Buffer Solution</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
<b>Storage</b>	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
<b>Attention</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

## PubMed

### [PubMed](#)

Transferrins are iron binding transport proteins which can bind two Fe(3+) ions in association with the binding of an anion, usually bicarbonate. Lactotransferrin has antimicrobial activity which depends on the extracellular cation concentration. Lactoferroxins A, B and C have opioid antagonist activity. Lactoferroxin A shows preference for mu-receptors, while lactoferroxin B and C have somewhat higher degrees of preference for kappa-receptors than for mu-receptors. The lactotransferrin transferrin-like domain 1 functions as a serine protease of the peptidase S60 family that cuts arginine rich regions. This function contributes to the antimicrobial activity.

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## Product Detail

Isoform DeltaLf: transcription factor with antiproliferative properties and inducing cell cycle arrest. Binds to DeltaLf response element found in the SKP1, BAX, DCPS, and SELH promoters.

#### **Subunit:**

Monomer. Found in a complex with LTF, CLU, EPPIN and SEMG1.

#### **Subcellular Location:**

Isoform 1: Secreted. Isoform DeltaLf: Cytoplasm. Nucleus.

#### **Post-translational modifications:**

Isoform DeltaLf: Ubiquitinated at Lys-379 and Lys-391.

#### **Similarity:**

Belongs to the transferrin family.  
Contains 2 transferrin-like domains.

#### **SWISS:**

P02788

#### **Gene ID:**



4057

**Database links:**

[Entrez Gene: 4057](#) Human

[Entrez Gene: 17002](#) Mouse

[Entrez Gene: 301034](#) Rat

[Omim: 150210](#) Human

[SwissProt: P02788](#) Human

[SwissProt: P08071](#) Mouse

[Unigene: 529517](#) Human

[Unigene: 282359](#) Mouse

[Unigene: 218647](#) Rat