

Anti-LTF/Lactoferrin Antibody (7Z726)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Mouse
Conjugation:	Unconjugated
Clone:	7Z726
Purification:	Protein A

Applications

Application:	ELISA
Recommended	ELISA: 1:5000-1:10000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Mouse Lactotransferrin / LTF protein (TMPY-02728)
Antigen Species:	Mouse
Synonyms:	LTF;Kaliocin-1;Lactoferroxin-A;Lactoferroxin-C;Lactoferroxin-B;Lactoferrin;Lactotransferrin;LF; Talalactoferrin

Research Background

Lactotransferrin, also known as Lactoferrin, Talalactoferrin, and LTF, is a secreted protein that belongs to the transferrin family. Transferrins are iron binding transport proteins that can bind two Fe³⁺ 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. Lactoferrin A shows a preference for mu-receptors, while lactoferrin B and lactoferrin C have somewhat higher degrees of preference for kappa-receptors than for mu-receptors. Lactoferrin / LTF is a globular glycoprotein that is widely represented in various secretory fluids, such as milk, saliva, tears, and nasal secretions. Lactoferrin / LTF is also present in secondary granules of PMN and is secreted by some acinar cells. Lactoferrin / LTF can be purified from milk or produced recombinantly. Human colostrum has the highest concentration, followed by human milk, then cow milk. Lactoferrin / LTF is one of the components of the immune system of the body; it has antimicrobial activity (bactericide, fungicide) and is part of the innate defense, mainly at mucose. In particular, lactoferrin provides an antibacterial activity to human infants. Lactoferrin interacts with DNA and RNA, polysaccharides and heparin, and shows some of its biological functions in complexes with these ligands.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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