

LTF

Anti-human Lactoferrin Polyclonal Whole Anti-serum

Catalog No.	CPL106A	Quantity:	5.0 ml
	CPL106B		10 ml

Alternate Names: LF, growth-inhibiting protein 12, neutrophil lactoferrin, talalactoferrin

Description: Rabbit Anti-human lactoferrin forms a single precipitin arc against human lactoferrin by immunoelectrophoresis. Human Lactoferrin is an iron-binding glycoprotein that facilitates the production of hydroxyl radicals and chelates iron, preventing its accessibility to microorganisms and thus inhibiting growth. Human Lactoferrin is found in secondary granules in polymorphonuclear neutrophils. Human Lactoferrin from human neutrophil(s) lacks terminal fucose residues in the glycan chains that are required for binding to macrophages.

Human Lactoferrin plays an important role in iron transport and utilization in humans. A glycoprotein containing about 6% sugar and having a total molecular weight of about 77 kDa, human lactoferrin is capable of binding two ferric ions with high affinity. Although lactoferrin binds iron tightly, the binding is reversible so that the metal is available upon demand to cells with a need for this essential element. Each human lactoferrin molecule has two iron-binding domains.

Human Lactoferrin appears to activate host defense systems in part by stimulating the release of interleukin-8, a neutrophil activator.

Specificity: Human Lactoferrin. The anti-human lactoferrin was solid phase absorbed against human serum to ensure specificity.

Host: Rabbit

Immunogen: Human Lactoferrin

Formulation: Liquid in a buffer of PBS, pH 7.2.

Cross-Reactivity: No known reaction to other human proteins.

Storage & Stability: Store at 2-4°C.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

