

Lactoferrin Polyclonal Antibody

Catalog Number PA1-31254

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (IHC)	1:200
Type	Antibody	Immunoprecipitation (IP)	1:200
Immunogen	purified full length human native protein	Western Blot (WB)	1:500
Conjugate	Unconjugated	Immunocytochemistry (ICC/IF)	1:200
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	0.80 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	tris glycine, pH 7.4-7.9, with 0.5% BSA, 30% glycerol		
Contains	0.02% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

PA1-31254 detects Lactoferrin from human samples.

Background/Target Information

Lactoferrin (LF) is an iron binding glycoprotein. LF consists of a single polypeptide chain (approximately 80 kDa) folded into two structurally homologous lobes, each of which can reversibly bind one ferric ion (Fe3+). LF is found in external fluids, including milk and mucosal secretions, and is a prominent component of secondary granules of neutrophils. The protein demonstrates a broad spectrum of properties, including regulation of iron homeostasis, host defense against a broad range of microbial infections, anti-inflammatory activity, regulation of cellular growth and differentiation and protection against cancer development and metastasis. LTF acts as a major first line defense against microbial infections, partly due to its ability to efficiently bind to and hence remove Fe3+ from the environment, but studies have also shown that LTF possesses bactericidal properties and proteolytic activity, capable of cleaving arginine-rich sequences within microbial proteins. Three isoforms of LTF have been identified: LTF-alpha, LTF-beta and LTF-gamma and receptors for LTF are expressed in the gastrointestinal tract, by macrophages, lymphocytes, neutrophils and platelets and also by some bacteria.

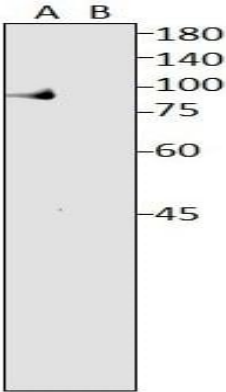
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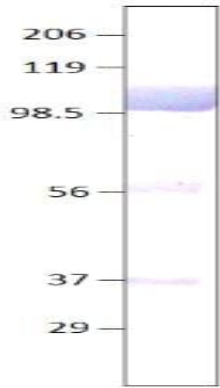
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Product Images For Lactoferrin Polyclonal Antibody



Lactoferrin Antibody (PA1-31254) in WB
Western Blot analysis of (A) purified human Lactoferrin and (B) purified bovine Lactoferrin using Lactoferrin Polyclonal Antibody (Product # PA1-31254). Dilution: 1:500.



Lactoferrin Antibody (PA1-31254) in WB
Western Blot analysis of human lactoferrin recombinant protein using Lactoferrin Polyclonal Antibody (Product # PA1-31254). Dilution: 1:500.

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