

# Product Datasheet

## Lactoferrin Antibody (265-1K1) NBP1-42417

Unit Size: 0.05 mg

Store at 4C. Do not freeze.

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Updated 3/30/2022 v.20.1

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**NBP1-42417**

Lactoferrin Antibody (265-1K1)

Product Information	
Unit Size	0.05 mg
Concentration	0.1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	265-1K1
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	PBS, 0.1% BSA

Product Description	
Host	Mouse
Gene ID	4057
Gene Symbol	LTF
Species	Human, Rat
Reactivity Notes	Human,Rat
Specificity/Sensitivity	The monoclonal antibody 265-1K1 reacts with human lactoferrin (LF), an 80 kDa glycoprotein. Lactoferrin was first isolated from human milk and plays an important part in the immune system and helps to fight infections. Lactoferrin promotes the health of the gastro-intestinal system by improving the intestinal microbial balance. In addition, LF can be found in epithelia and most body fluids and secretions. Lactoferrin is secreted in plasma by neutrophils. Its plasma concentration also represents a positive relation to the total pool of neutrophils and the rate of neutrophil turnover. In inflammation lactoferrin is released from secondary granules of neutrophilic leukocytes into the extracellular medium. Therefore the extracellular lactoferrin concentration can be used as an index for neutrophil activation. Lactoferrin is secreted in plasma by neutrophils. Its plasma concentration also represents a positive relation to the total pool of neutrophils and the rate of neutrophil turnover. In inflammation lactoferrin is released from secondary granules of neutrophilic leukocytes into the extracellular medium. Therefore the extracellular lactoferrin concentration can be used as an index for neutrophil activation. Lactoferrin also plays a role in signal transduction, immunomodulation and has antiadhesive, anticancer, antiviral activity.
Immunogen	The antibody reacts with the Lactoferrin antigen.

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	The monoclonal antibody 265-1K1 can be used for immunohistology on frozen sections and Western blotting. Furthermore the monoclonal antibody 265-1K1 is useful for immuno assays. For immunohistology and Western blotting dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis.  
Primary Antibodies are guaranteed for 1 year from date of receipt.

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