

# Product Datasheet

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

Unit Size: 0.05 mg

Store at 4C. Do not freeze.

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**NBP1-42417****Lactoferrin Antibody (265-1K1)****Product Information**

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

**Product Description**

<b>Host</b>	Mouse
<b>Gene ID</b>	4057
<b>Gene Symbol</b>	LTF
<b>Species</b>	Human, Rat
<b>Reactivity Notes</b>	Human, Rat
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	The antibody reacts with the Lactoferrin antigen.

**Product Application Details**

<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen
<b>Recommended Dilutions</b>	Western Blot 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
<b>Application Notes</b>	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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