

# Anti-Lactoferrin antibody ab15811

★★★★☆ [3 Abreviews](#) [20 References](#) [1 图像](#)

### 概述

产品名称	Anti-Lactoferrin抗体
描述	兔多克隆抗体to Lactoferrin
宿主	Rabbit
经测试应用	适用于: IP, ICC, IHC-P, ELISA, WB
种属反应性	与反应: Human
免疫原	Full length native protein (purified) (Human).
常规说明	

Lactoferrin is an iron binding glycoprotein with an approximate molecular weight of 80 kDa. The protein has two iron binding domains each housing one  $\text{Fe}^{3+}$  and the synergistic  $\text{CO}_3^{2-}$  ion. The crystal structure form of human lactoferrin at 2.2A resolution exhibits 5330 protein atoms,  $2\text{Fe}^{2+}$ ,  $2\text{CO}_3^{2-}$  and 98 carbohydrate atoms. Lactoferrin is absorbed from intestine by apical side of the membrane and localized to the nuclei. Intravenous infusion of lactoferrin is protective against lethal doses of E coli and induce bacterimia by a mechanism that downregulates neutrophil TNF alfa secretion. Recombinant human lactoferrin (rhLF), expressed and extracted from rice seed, is being evaluated for use as a dietary supplement to treat iron deficiency and/or iron deficiency induced anemia. Lactoferrin has been shown to have a role in the immune system and in early development of the embryo. A specific receptor for lactoferrin binding has been implicated in the human fetal intestine. Early embryonic localisation of lactoferrin by IHC has suggested its presence in various tissues including intestinal epitheliuem, kiney, and various regions of the brain.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -

80°C. Avoid freeze / thaw cycle.

**纯度** Immunogen affinity purified

**纯化说明** Affinity purified using immobilized antigenic proteins and pre adsorbed on an immobilized heterologous lactoferrin matrix to remove the cross reacting antibodies.

**Primary antibody说明** Lactoferrin is an iron binding glycoprotein with an approximate molecular weight of 80 kDa. The protein has two iron binding domains each housing one Fe<sup>3+</sup> and the synergistic CO<sub>3</sub><sup>2-</sup> ion. The crystal structure form of human lactoferrin at 2.2A resolution exhibits 5330 protein atoms, 2Fe<sup>2+</sup>, 2CO<sub>3</sub><sup>2-</sup> and 98 carbohydrate atoms. Lactoferrin is absorbed from intestine by apical side of the membrane and localized to the nuclei. Intravenous infusion of lactoferrin is protective against lethal doses of E coli and induce bacterimia by a mechanism that downregulates neutrophil TNF alfa secretion. Recombinant human lactoferrin (rhLF), expressed and extracted from rice seed, is being evaluated for use as a dietary supplement to treat iron deficiency and/or iron deficiency induced anemia. Lactoferrin has been shown to have a role in the immune system and in early development of the embryo. A specific receptor for lactoferrin binding has been implicated in the human fetal intestine. Early embryonic localisation of lactoferrin by IHC has suggested its presence in various tissues including intestinal epitheliuem, kiney, and various regions of the brain.

**克隆** 多克隆

**同种型** IgG

**应用**

**The Abpromise guarantee** **Abpromise™**承诺保证使用ab15811于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IP		Use at an assay dependent concentration.
ICC		Use at an assay dependent concentration.
IHC-P	★★★★★ (1)	Use at an assay dependent concentration.
ELISA	★★★★☆ (1)	Use at an assay dependent concentration. PubMed: 17244155
WB	★☆☆☆☆ (1)	1/500. Predicted molecular weight: 79 kDa.

**靶标**

**功能** Transferrins are iron binding transport proteins which can bind two Fe(3+) 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. Lactoferroxin A shows preference for mu-receptors, while lactoferroxin B and C have somewhat higher degrees of preference for kappa-receptors than for mu-receptors. The lactotransferrin transferrin-like domain 1 functions as a serine protease of the peptidase S60 family that cuts arginine rich regions. This function contributes to the antimicrobial activity.

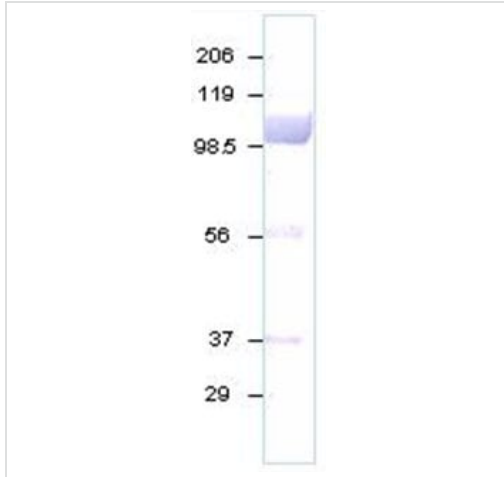
## 序列相似性

Belongs to the transferrin family.  
Contains 2 transferrin-like domains.

## 细胞定位

Secreted.

## 图片



Western blot - Anti-Lactoferrin antibody (ab15811)

Anti-Lactoferrin antibody (ab15811) at 1/500 dilution + Human Lactoferrin

**Predicted band size:** 79 kDa

**Observed band size:** 99 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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