### Product datasheet

**Anti-Lactoferrin antibody (HRP) ab24264**

| ★★☆☆☆ | 1 Abreviews | 3 References |

#### Overview

**Product name**  
Anti-Lactoferrin antibody (HRP)

**Description**  
Rabbit polyclonal to Lactoferrin (HRP)

**Host species**  
Rabbit

**Conjugation**  
HRP

**Specificity**  
ab24264 reacts with human lactoferrin found in human milk. No antibody was detected against other milk or serum proteins.

**Tested applications**  
Suitable for: ELISA, WB

**Species reactivity**  
Reacts with: Human

**Immunogen**  
Full length native lactoferrin purified from human colostrum.

#### Properties

**Form**  
Liquid

**Storage instructions**  
Shipped at 4°C. Store at +4°C.

**Storage buffer**  

- pH: 7.60
- Constituents: 0.164% Sodium phosphate, 1.45% Sodium chloride, 1.5% BSA

**Purity**  
Immunogen affinity purified

**Clonality**  
Polyclonal

**Isotype**  
IgG

#### Applications

Our Abpromise guarantee covers the use of ab24264 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
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<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>ELISA</td>
<td>★★★★☆☆☆</td>
<td>1/5000 - 1/100000.</td>
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Function

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.

Sequence similarities

Belongs to the transferrin family.

Contains 2 transferrin-like domains.

Cellular localization

Secreted.

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