Anti-Lactoferrin antibody ab77548

Overview

Product name: Anti-Lactoferrin antibody
Description: Goat polyclonal to Lactoferrin
Host species: Goat
Tested applications: Suitable for: ELISA, WB, Sandwich ELISA, IHC-P
Species reactivity: Reacts with: Human
Predicted to work with: Chimpanzee
Immunogen: Synthetic peptide: C-ENYKSQSSDPDP, corresponding to internal sequence amino acids 432-444 of Human Lactoferrin (NP_002334.2).
Positive control: Human Peripheral Blood Mononucleocyte lysate.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer: pH: 7.30
Preservative: 0.02% Sodium azide
Constituents: 0.5% BSA, 0.5% Tris buffered saline
Purity: Immunogen affinity purified
Purification notes: ab77548 is purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunising peptide.
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab77548 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
**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. Lactoferoxins 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.

**Images**

- Anti-Lactoferrin antibody (ab77548) at 0.05 µg/ml + Human Peripheral Blood Mononucleocyte lysate (in RIPA buffer) at 35 µg

  **Observed band size:** 85 kDa

  **why is the actual band size different from the predicted?**

  Primary incubation was 1 hour.
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Lactoferrin antibody (ab77548)

ab77548 (2µg/ml) staining of paraffin embedded Human Blood Vessel shows strong staining of cytoplasm of neutrophils. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Sandwich ELISA - Anti-Lactoferrin antibody (ab77548)

Sandwich-type ELISA with increasing amount of recombinant LTF captured by a rabbit antibody. ab77548 reporter concentration: 5 ug/ml

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors