
Lactoferrin Mouse mAb

Catalog Number: bsm-51024M

Target Protein: Lactoferrin

Concentration: 1mg/ml

Form: Liquid

Host: Mouse

Clonality: Monoclonal

Clone No.: 9C1

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:400-800), IF (1:10-50), ELISA (1:5000-10000)

Reactivity: (predicted:Human)

Predicted MW: 76 kDa

Subcellular: Secreted, Cytoplasm, Nucleus

Locations:

Entrez Gene: 4057

Swiss Prot: P02788

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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.

PRODUCT SPECIFIC PUBLICATIONS

[IF=3.7] Peng Liu. et al. Lactoferrin exhibits PEDV antiviral activity by interfering with spike-heparan sulfate proteoglycans binding and activating mucosal immune response. VETERINARY RESEARCH. 2025 Jan 31;56(1):25. IF ; Mouse . 39891300