bsm-51024M

[Primary Antibody]

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www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

Lactoferrin Mouse mAb

DATASHEET

Host: Mouse Isotype: IgG
Clonality: Monoclonal CloneNo.: 9C1
GeneID: 4057 SWISS: P02788

Target: Lactoferrin

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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.

Applications: WB (1:500-2000)

IHC-P (1:50-200) IHC-F (1:50-200) IF (1:50-200)

ELISA (1:5000-10000)

Reactivity: (predicted: Human)

Predicted 76 kDa

Subcellular Secreted ,Cytoplasm **Location:** ,Nucleus

— SELECTED CITATIONS —

• [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