

**bsm-51024M****[ Primary Antibody ]**

www.bioss.com.cn

sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

**Lactoferrin Mouse mAb****— DATASHEET —**

<b>Host:</b> Mouse	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:400-800) <b>IF</b> (1:10-50) <b>ELISA</b> (1:5000-10000)  <b>Reactivity:</b> (predicted: Human)   <b>Predicted MW.:</b> 76 kDa  <b>Subcellular Location:</b> Secreted ,Cytoplasm ,Nucleus
<b>Clonality:</b> Monoclonal	<b>CloneNo.:</b> 9C1	
<b>GeneID:</b> 4057	<b>SWISS:</b> P02788	
<b>Target:</b> Lactoferrin		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> 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.		

**— 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