

Datasheet: MCA2763

BATCH NUMBER 161162

Description:	MOUSE ANTI HUMAN LACTOFERRIN
Specificity:	LACTOFERRIN
Other names:	LACTOTRANSFERRIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	2B8
Isotype:	IgG1
Quantity:	0.2 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			
Functional Assays			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Purified Lactoferrin from human milk.
External Database Links	<p>UniProt: P02788 Related reagents</p> <p>Entrez Gene: 4057 LTF Related reagents</p>
Synonyms	LF
RRID	AB_2139218
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the Sp2/0 myeloma cell line.
Specificity	<p>Mouse anti Human Lactoferrin antibody, clone 2B8 recognizes human lactoferrin, a ~80 kDa globular iron binding glycoprotein found in body secretions such as milk and saliva and is a member of the transferrin family proteins. Transferrins control the level of free iron in the body, by binding and transporting iron. Lactoferrin does not appear to have a transporting function, instead it has antimicrobial activity, by keeping the levels of iron in body fluids low and thus preventing microbes from acquiring iron. Removing free iron from body fluids and inflamed areas also serve to protect against the damaging effects of free radicals. Lactoferrin is used as a therapeutic and prophylactic treatment of various illnesses, such as cancers and intestinal illnesses.</p> <p>Mouse anti Human Lactoferrin antibody, clone 2B8 does not cross-react with human transferrins or other serum proteins.</p>
Western Blotting	MCA2763 detects a band of approximately 77kDa in immunoblots of whole serum proteins.
References	<p>1. Naegelen I <i>et al.</i> (2014) An essential role of syntaxin 3 protein for granule exocytosis and secretion of IL-1α, IL-1β, IL-12b, and CCL4 from differentiated HL-60 cells. J Leukoc Biol. pii: jlb.3A0514-254RR.</p> <p>2. Shiga Y <i>et al.</i> (2015) Recombinant human lactoferrin-Fc fusion with an improved plasma half-life. Eur J Pharm Sci. 67: 136-43.</p>
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch

Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA2763 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
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Printed on 18 Jan 2024