

Datasheet: 0500-0098

Description:	RAT ANTI MOUSE FORSSMAN GLYCOSPHINGOLIPID
Specificity:	FORSSMAN GLYCOSPHINGOLIPID
Other names:	FO GSL
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	FOM-1
Isotype:	IgM
Quantity:	0.5 ml

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	▪			1/100 - 1/400
Immunohistology - Paraffin	▪			1/100
Western Blotting			▪	

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	Mouse
Species Cross Reactivity	Reacts with: Sheep N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgM - liquid.
Preparation	Purified IgM prepared by dialysis and gel filtration
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	0.2 mg/ml
Immunogen	Forssman glycosphingolipid.
Specificity	Rat anti Forssmann glycosphingolipid antibody, clone FOM-1 recognizes Forssman

glycosphingolipid (FO GSL).

FO GSL is a glycosphingolipid differentiation antigen, present on macrophages in the red pulp of the spleen, and the medulla of inguinal and axial lymph nodes. FO GSL is also present on reticular cells in the T-cell area of the spleen and lymph nodes. A subpopulation of FOM-1 positive macrophages also appear in the peritoneal cavity in response to inflammatory stimuli. Monocytes, granulocytes and other macrophages in lymphoid and non-lymphoid organs are not stained by Rat anti Forssmann glycosphingolipid antibody, clone FOM-1.

Rat anti Forssmann glycosphingolipid antibody, clone FOM-1 also recognises a marker present on sheep erythrocytes.

Histology Positive Control Tissue	Mouse spleen
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References	1. Izumi, K, and Sawada, M.T. (2001) A novel assay method for glycosphingolipid deacylase by enzyme-linked immunochemical detection of lysoglycosphingolipid. Lipids. 36: 97-101.
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Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
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Shelf Life	18 months from date of despatch.
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Rat IgM (302001...) [Biotin](#), [RPE](#)

Goat Anti Rat IgM (STAR116...) [HRP](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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