Datasheet: STAR146F

BATCH NUMBER 159712

Description:	GOAT F(ab')2 ANTI HUMAN IgM:FITC
Specificity:	IgM
Format:	FITC
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.5 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	▪			Neat - 1/10
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
Immunofluorescence	▪			Neat - 1/10

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species

Human

Product Form

$F(ab')_2$ fragments of purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
FITC	490	525

Antiserum Preparation

Antisera to human IgM were raised by repeated immunisation of goats with purified antigen. Purified IgG was prepared from whole serum by affinity chromatography. $F(ab')_2$ fragments were prepared by pepsin digestion.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

<0.1% Sodium Azide (NaN_3)

Approx. Protein Concentrations	$F(ab')_2$ concentration 0.5 mg/ml
Immunogen	Human IgM.
External Database Links	**UniProt:** P01871 Related reagents **Entrez Gene:** 3507 IGHM Related reagents
RRID	AB_1102673
Specificity	**Goat F(ab')2 anti Human IgM antibody** recognizes the heavy chain of human IgM and has been cross absorbed against human IgA and IgG. Goat F(ab')2 anti Human IgM antibody might cross react with IgM from other species.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.
References	1. Mpakou, V.E. *et al.* (2017) Quantitative and qualitative analysis of regulatory T cells in B cell chronic lymphocytic leukemia. Leuk Res. 60: 74-81. 2. Lu, D.R. *et al.* (2014) Identifying functional anti-*Staphylococcus aureus* antibodies by sequencing antibody repertoires of patient plasmablasts. Clin Immunol. 152 (1-2): 77-89. 3. Tan, Y.C. *et al.* (2014) High-throughput sequencing of natively paired antibody chains provides evidence for original antigenic sin shaping the antibody response to influenza vaccination. Clin Immunol. 151 (1): 55-65.
Storage	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. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.
Guarantee	Guaranteed until date of expiry. Please see product label.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/STAR146F 10040
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)

North & South America Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739
Email: antibody_sales_uk@bio-rad.com

Europe Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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