

Datasheet: 4510-7804

BATCH NUMBER 174432

Description:	RABBIT ANTI FITC
Specificity:	FITC
Other names:	FLUORESCCEIN ISOTHIOCYANATE
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 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
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA	▪			

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	Chemical
Product Form	Purified Ig - liquid
Preparation	Purified IgG prepared by immunoaffinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	FITC Isomer 1.

Specificity

Rabbit anti FITC antibody recognizes fluorescein and does not react with immunoglobulins from any species.

Fluorescein isothiocyanate (FITC) is widely used to attach a fluorescent label to proteins via the amine group. The isothiocyanate group reacts with amino terminal and primary amines in proteins.

References

1. van der Loos, C. (2008) Multiple immunoenzyme staining: methods and visualizations for the observation with spectral imaging. [J. Histochem Cytochem. 56: 313-328.](#)
2. Bdeir, K. *et al.* (2010) Neutrophil alpha-defensins cause lung injury by disrupting the capillary-epithelial barrier. [Am J Respir Crit Care Med. 181: 935-46.](#)
3. Hsiao, J.R. *et al.* (2010) Cyclic alphavbeta6-targeting peptide selected from biopanning with clinical potential for head and neck squamous cell carcinoma. [Head Neck. 32 \(2\): 160-72.](#)
4. Türeci, ö *et al.* (2011) Claudin-18 gene structure, regulation, and expression is evolutionary conserved in mammals. [Gene. 481 \(2\): 83-92.](#)
5. Martínez-Sernández, V. *et al.* (2011) Development and evaluation of a new lateral flow immunoassay for serodiagnosis of human fasciolosis. [PLoS Negl Trop Dis. 5 \(11\): e1376.](#)
6. Martínez-Sernández, V. *et al.* (2014) The MF6p/FhHDM-1 major antigen secreted by the trematode parasite *Fasciola hepatica* is a heme-binding protein. [J Biol Chem. 289 \(3\): 1441-56.](#)
7. Dileepan, T. *et al.* (2015) *In Situ* Peptide-MHC-II Tetramer Staining of Antigen-Specific CD4+ T Cells in Tissues. [PLoS One. 10 \(6\): e0128862.](#)
8. Arni, S. *et al.* (2021) Subnormothermic *ex vivo* lung perfusion attenuates ischemia reperfusion injury from donation after circulatory death donors. [PLoS One. 16 \(8\): e0255155.](#)

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.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10303 available at: <https://www.bio-rad-antibodies.com/SDS/4510-7804>

Regulatory

For research purposes only

Related Products**Recommended Secondary Antibodies**

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

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

'M449751:260213'

Printed on 20 Aug 2026

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