

Datasheet: STAR126B

BATCH NUMBER 171147

Description:	GOAT ANTI HUMAN IgG F(ab') ₂ :BIOTIN
Specificity:	IgG F(ab') ₂
Format:	Biotin
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	▪			1/200 - 1/1000
Immunohistology - Frozen	▪			1/200 - 1/1000
Immunohistology - Paraffin			▪	
ELISA	▪			1/1,000 - 1/10,000
Western Blotting	▪			1/1,000 - 1/10,000

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 conjugated to Biotin - liquid
Preparation	Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative	<0.1% Sodium Azide (NaN ₃)
Stabilisers	1.5% Bovine Serum Albumin
Approx. Protein Concentrations	1.0 mg/ml
Immunogen	Human IgG F(ab') ₂

External Database**Links****UniProt:**[P01834](#) [Related reagents](#)[P0CG04](#) [Related reagents](#)**Entrez Gene:**[3514](#) IGKC [Related reagents](#)[28815](#) IGLV2-14 [Related reagents](#)

RRIDAB_961503

Specificity

Goat anti Human IgG F(ab')₂ antibody recognizes Fab and F(ab')₂ portion of human IgG by IEP. It reacts with other human immunoglobulins through common light chain reactivity.

Goat anti Human IgG F(ab')₂ antibody demonstrates minimal cross reactivity with bovine, horse and mouse IgG; other species have not been tested.

No reactivity is seen with the Fc portion of human IgG or non-immunoglobulin serum proteins.

This antibody is a performance tested, matched reagent for use with Bio-Rad HuCAL antibodies.

References

1. Eriksson, O. *et al.* (2011) Development of an antibody to bovine IL-2 reveals multifunctional CD4 T(EM) cells in cattle naturally infected with bovine tuberculosis. [PLoS One. 6 \(12\): e29194.](#)
 2. Back, J.W. *et al.* (2012) Selecting highly structure-specific antibodies using structured synthetic mimics of the cystine knot protein sclerostin. [Protein Eng Des Sel. 25: 251-9.](#)
 3. Eriksson, O. *et al.* (2018) Pancreatic imaging using an antibody fragment targeting the zinc transporter type 8: a direct comparison with radio-iodinated Exendin-4. [Acta Diabetol. 55 \(1\): 49-57.](#)
 4. Wege, A.K. *et al.* (2020) A novel rabbit derived anti-HER2 antibody with pronounced therapeutic effectiveness on HER2-positive breast cancer cells *in vitro* and in humanized tumor mice (HTM). [J Transl Med. 18 \(1\): 316.](#)
 5. Suskiewicz, M.J. *et al.* (2019) Structure of McsB, a protein kinase for regulated arginine phosphorylation. [Nat Chem Biol. 15 \(5\): 510-518.](#)
 6. Hentrich, C. *et al.* (2024) Engineered reversible inhibition of SpyCatcher reactivity enables rapid generation of bispecific antibodies. [Nat Commun. 15 \(1\): 5939.](#)
 7. Bonfiglio, J.J. *et al.* (2020) An HPF1/PARP1-Based Chemical Biology Strategy for Exploring ADP-Ribosylation. [Cell. 183 \(4\): 1086-1102.e23.](#)
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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 #10041 available at: https://www.bio-rad-antibodies.com/SDS/STAR126B
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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

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