

Datasheet: STAR105PE

Description:	GOAT F(ab') ₂ ANTI MOUSE IgG (H/L):RPE
Specificity:	IgG (H/L)
Format:	RPE
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 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	■			1/5

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species	Mouse		
Species Cross Reactivity	Reacts with: Rat N.B. Antibody reactivity and working conditions may vary between species.		
Product Form	F(ab') ₂ fragment of IgG conjugated to R. Phycoerythrin (RPE) - lyophilised		
Reconstitution	Reconstitute with 1 ml distilled water		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578

Antiserum Preparation Antisera to mouse IgG were raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.

Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin 5% Sucrose
Immunogen	Purified mouse immunoglobulin G
External Database Links	UniProt: P01869 Related reagents

P01843	Related reagents
P01724	Related reagents
P01867	Related reagents
P01864	Related reagents
P01868	Related reagents
P01865	Related reagents
P01837	Related reagents
P01844	Related reagents
P03987	Related reagents
P01863	Related reagents
P01845	Related reagents

Entrez Gene:

16017	Ighg1	Related reagents
433053	LOC433053	Related reagents
16016	Ighg2b	Related reagents
16017	Ighg1	Related reagents
16142	Iglv1	Related reagents
380793	Igh-1a	Related reagents
16071	Igk-C	Related reagents
110786	Iglc2	Related reagents
110787	Iglc3	Related reagents
380793	Igh-1a	Related reagents
380793	Igh-1a	Related reagents
380795	AI324046	Related reagents

Synonyms

Igh-4

Specificity

Goat F(ab')₂ anti Mouse IgG (H/L) antibody recognizes mouse IgG, reacting with all mouse IgG subclasses.

Goat F(ab')₂ anti Mouse IgG (H/L) antibody has been adsorbed against human immunoglobulins, but cross-reacts with rat IgG.

Flow Cytometry

Use 50ul of the suggested working dilution to label 10⁶ cells in 100ul.

References

1. Hsiao, Y.W. *et al.* (2002) Effect of tumor infiltrating lymphocytes on the expression of MHC molecules in canine transmissible venereal tumor cells. [Vet Immunol Immunopathol. 87 \(1-2\): 19-27.](#)
2. Urquhart, P. *et al.* (2007) Carbon monoxide-releasing molecules modulate leukocyte-endothelial interactions under flow. [J Pharmacol Exp Ther. 321 \(2\): 656-62.](#)
3. Dietrich, I. *et al.* (2011) Feline tetherin efficiently restricts release of feline immunodeficiency virus but not spreading of infection. [J Virol. 85: 5840-52.](#)
4. Mateo, M. *et al.* (2011) VP24 Is a Molecular Determinant of Ebola Virus Virulence in Guinea Pigs [J Infect Dis. 204 \(suppl 3\): S1011-S1020](#)
5. Blank, N. *et al.* (2007) Atorvastatin inhibits T cell activation through 3-hydroxy-3-methylglutaryl coenzyme A reductase without decreasing cholesterol synthesis. [J Immunol. 179: 3613-21.](#)
6. Lin, T.C. *et al.* (2005) Neutrophil-mediated secretion and activation of matrix metalloproteinase-9 during cardiac surgery with cardiopulmonary bypass. [Anesth Analg. 100: 1554-60.](#)
7. Sellers, M.D. *et al.* (2012) Determination of preanalysis storage temperature and time allowances

for ex vivo innate immune responses. [J Dairy Sci. pii: S0022-0302\(12\)00805-3.](#)

Storage

Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.

DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

12 months from date of reconstitution.

**Health And Safety
Information**

Material Safety Datasheet documentation #10075 available at:
10075: <https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf>

Regulatory

For research purposes only

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