

Datasheet: STAR117D405GA

BATCH NUMBER 0911

| | |
|----------------------|--|
| Description: | GOAT ANTI MOUSE IgG (H/L):DyLight®405 (MULTI SPECIES ADSORBED) |
| Specificity: | IgG (H/L) |
| Format: | DyLight®405 |
| Product Type: | Polyclonal Antibody |
| Isotype: | Polyclonal IgG |
| Quantity: | 0.1 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 |
|--------------------|-----|----|----------------|--------------------|
| Flow Cytometry | ▪ | | | 1/25 - 1/250 |
| Immunofluorescence | ▪ | | | |

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 the appropriate negative/positive controls.

| | | | |
|----------------|-------------|---|-------------------|
| | | | |
| Target Species | | Mouse | |
| | | | |
| Product Form | | Purified IgG conjugated to DyLight®405 - liquid | |
| | | | |
| Max Ex/Em | Fluorophore | Excitation Max (nm) | Emission Max (nm) |
| | Dylight®405 | 400 | 420 |

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

| | |
|---------------------------------------|--|
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃) |
| Approx. Protein Concentrations | IgG concentration 1.0mg/ml |

External Database

Links

UniProt:

| | |
|------------------------|----------------------------------|
| P01837 | Related reagents |
| P01869 | Related reagents |
| P01867 | Related reagents |
| P01864 | Related reagents |
| P01843 | Related reagents |
| P01865 | Related reagents |
| P01844 | Related reagents |
| P01868 | Related reagents |
| P01724 | Related reagents |
| P03987 | Related reagents |
| P01863 | Related reagents |
| P01845 | Related reagents |

Entrez Gene:

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

Synonyms

Igh-4

RRID

AB_10845280

Specificity

Goat anti Mouse IgG antibody recognizes mouse IgG and light chains common to other mouse immunoglobulin classes.

Goat anti Mouse IgG has been cross-adsorbed using human, bovine, porcine, equine, lapine and chicken immunoabsorbants to remove cross-reactive antibodies. Less than 0.1% cross reactivity was detected to human, bovine, porcine, equine, caprine, lapine and chicken IgG by immunoelectrophoresis and ELISA.

Goat anti Mouse IgG antibody is highly recommended for use as a secondary antibody with human and veterinary samples. Goat anti Mouse IgG antibody has been used successfully as a secondary detection reagent in combination with mouse clone [CC327](#)

for the detection of TNF α and mouse clone [8M6](#) for the detection of interleukin-8 in bovine respiratory syncytial virus infected, neonatal ovine lung tissue by immunohistochemistry ([Redondo et al. 2013](#)).

Flow Cytometry Use 50 ul of the suggested working dilution to label 1x10⁶ cells in 100ul

References

1. Abdala-Valencia, H. *et al.* (2012) Vitamin E isoforms differentially regulate intercellular adhesion molecule-1 activation of PKC α in human microvascular endothelial cells. [PLoS One. 7: e41054.](#)
2. Redondo, E. *et al.* (2014) Induction of interleukin-8 and interleukin-12 in neonatal ovine lung following experimental inoculation of bovine respiratory syncytial virus. [J Comp Pathol. 150 \(4\): 434-48.](#)
3. Banerjee, K. *et al.* (2012) Occluding the mannose moieties on human immunodeficiency virus type 1 gp120 with griffithsin improves the antibody responses to both proteins in mice. [AIDS Res Hum Retroviruses. 28 \(2\): 206-14.](#)
4. Singh, S.M. *et al.* (2016) Characterization of Immune Responses to an Inactivated Avian Influenza Virus Vaccine Adjuvanted with Nanoparticles Containing CpG ODN. [Viral Immunol. Apr 14. \[Epub ahead of print\]](#)
5. Iwaszko-Simonik, A. *et al.* (2015) Expression of surface platelet receptors (CD62P and CD41/61) in horses with recurrent airway obstruction (RAO). [Vet Immunol Immunopathol. 164 \(1-2\): 87-92.](#)
6. Askari, N. *et al.* (2015) Tetracycline-regulated expression of OLIG2 gene in human dental pulp stem cells lead to mouse sciatic nerve regeneration upon transplantation. [Neuroscience. 305: 197-208.](#)
7. Topoluk, N. *et al.* (2017) Amniotic Mesenchymal Stromal Cells Exhibit Preferential Osteogenic and Chondrogenic Differentiation and Enhanced Matrix Production Compared With Adipose Mesenchymal Stromal Cells. [Am J Sports Med. : 363546517706138.](#)
8. Alimolaei, M. *et al.* (2017) A Recombinant Probiotic, *Lactobacillus casei*, Expressing the *Clostridium perfringens* α -toxoid, as an Orally Vaccine Candidate Against Gas Gangrene and Necrotic Enteritis. [Probiotics Antimicrob Proteins. Apr 11 \[Epub ahead of print\].](#)
9. Schmidli, M.R. *et al.* (2018) Inflammatory pattern of the infrapatellar fat pad in dogs with canine cruciate ligament disease. [BMC Vet Res. 14 \(1\): 161.](#)

Storage Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 12 months from date of despatch

Acknowledgements DyLight® is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

Health And Safety Material Safety Datasheet documentation #10040 available at:

Information <https://www.bio-rad-antibodies.com/SDS/STAR117D405GA>
10040

Regulatory For research purposes only

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|----------------------------------|---|------------------|---|---------------|---|

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
'M369632:200529'

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