Datasheet: STAR117D405GA

**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

**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](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>1/25 - 1/250</td>
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**Target Species**
Mouse

**Product Form**
Purified IgG conjugated to DyLight®405 - liquid

**Max Ex/Em**
<table>
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<tr>
<th>Fluorophore</th>
<th>Excitation (nm)</th>
<th>Emission (nm)</th>
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<tbody>
<tr>
<td>DyLight®405</td>
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**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 (NaN₃)

**Approx. Protein Concentrations**
IgG concentration 1.0mg/ml

**Immunogen**
Whole mouse IgG

**External Database Links**

- UniProt:
  - [P01837](http://www.bio-rad-antibodies.com/protocols)
  - [P01869](http://www.bio-rad-antibodies.com/protocols)
Entrez Gene:

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<th>Gene ID</th>
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Synonyms

Igh-4

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 immunoadsorbants 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 TNFα 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 1x10^6 cells in 100ul.

References

type 1 gp120 with griffithsin improves the antibody responses to both proteins in mice. AIDSRes Hum Retroviruses. 28 (2): 206-14.


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.

Shelf Life

18 months from date of despatch.

Acknowledgements

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

Health And Safety


Regulatory

For research purposes only