Datasheet: STAR117D549GA

**Description:**
GOAT ANTI MOUSE IgG (H/L):DyLight®549 (MULTI SPECIES ADSORBED)

**Specificity:**
IgG (H/L)

**Format:**
DyLight®549

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

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td>✅</td>
<td></td>
<td></td>
<td>1/50 - 1/400</td>
</tr>
<tr>
<td>Western Blotting</td>
<td>✅</td>
<td></td>
<td></td>
<td>1/500 - 1/1000</td>
</tr>
<tr>
<td>Immunofluorescence</td>
<td>✅</td>
<td></td>
<td></td>
<td>1/50 - 1/400</td>
</tr>
</tbody>
</table>

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®549 - liquid

**Max Ex/Em**

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation (nm)</th>
<th>Emission (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DyLight®549</td>
<td>562</td>
<td>576</td>
</tr>
</tbody>
</table>

**Preparation**
Purified IgG prepared by affinity chromatography

**Antiserum Preparation**
Antisera to mouse IgG were raised by repeated immunisations of goats with highly purified antigen.

**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 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 IgC2 Related reagents
110787 IgC3 Related reagents
380793 Igh-1a Related reagents
380795 AI324046 Related reagents

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 syncitial 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


**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 Information**


**Regulatory**

For research purposes only