Datasheet: STAR117D680GA

**Description:** GOAT ANTI MOUSE IgG (H/L):DyLight®680 (MULTI SPECIES ADSORBED)

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

**Format:** DyLight®680

**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>Technique</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>1/500 - 1/1000</td>
</tr>
<tr>
<td>Western Blotting</td>
<td></td>
<td></td>
<td></td>
<td>1/500 - 1/1000</td>
</tr>
</tbody>
</table>

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 appropriate negative/positive controls.

**Target Species**
Mouse

**Product Form**
Purified IgG conjugated to DyLight®680 - liquid

**Max Ex/Em**

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation (nm)</th>
<th>Emission (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DyLight®680</td>
<td>692</td>
<td>712</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 1.0 mg/ml

**Immunogen**
Whole mouse IgG

**External Database Links**
UniProt:
Related reagents

Entrez Gene:

- **16071**: Igk-C  
- **16017**: Ighg1  
- **16016**: Ighg2b  
- **380793**: Igh-1a  
- **380793**: Igh-1a  
- **433053**: LOC433053  
- **16017**: Ighg1  
- **16142**: Ig lv1  
- **110786**: Iglc2  
- **110787**: Iglc3  
- **380793**: Igh-1a  
- **380795**: AI324046

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 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 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

---

© 2017 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)