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**Technical Data Sheet**

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**Mouse anti-llama IgG1 (H+L), monoclonal****EG-10001-100**

100µg

0.5mg/ml in PBS + 0.05% NaN<sub>3</sub>**Clone:** 27-7**Isotype:** IgG1**Host:** Mouse**Reactivity:** IgG1 (heavy + light chains) from camelids**Label:** None**Antibody description**

Besides the conventional IgGs (IgG1, composed of heavy and light chains), llamas and other camelids produce single chain IgGs (IgG2 and IgG3). They are composed of heavy chains only and are lacking the light chains and the CH1 domains. The antigen binding domain of IgG2 and IgG3, called V<sub>H</sub>H, is the smallest naturally occurring antibody binding domain.

This secondary antibody allows the detection of IgG1 from llamas and other camelids. It was produced in vitro and purified using protein G. It has low to no cross-reactivity toward IgG2 and IgG3.

**Storage conditions**

Store at -20°C. Avoid repetitive freeze-thaw cycles.

**Application**

The antibody is effective in ELISA, immunoblotting (WB) and other immunodetection methods.

**Suggested Working Dilution\*:**

ELISA: 2500 to 5000x

WB: 2000x (predicted MW: ~150 kDa in PAGE under non-reducing conditions)

\*The optimal antibody dilution should be determined for each specific assay condition

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For further information please contact our Customer Help Desk

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