

**ANTI-MOUSE IgG2a (heavy chain specific)
Developed in Goat
Fractionated Antiserum**

Product No. **M8269**

Anti-Mouse IgG2a is developed in goat using purified mouse IgG2a as the immunogen. The fractionation procedure yields primarily the immunoglobulin fraction of antiserum. To ensure specificity, the fractionated antiserum is adsorbed using solid phase techniques, if necessary. Goat Anti-Mouse IgG2a is lyophilized from 0.01 M phosphate buffered saline, pH 7.2, to which no preservatives have been added.

Specificity

Specificity for the heavy chain of mouse IgG2a is determined by Ouchterlony double diffusion (ODD). The antibody preparation is specific for mouse IgG2a when tested against purified mouse IgA, IgG1, IgG2a, IgG2b, IgG3, and IgM, myeloma proteins.

Identity and Purity

Identity and purity of the antibody is established by immunoelectrophoresis (IEP). Electrophoresis of the antibody preparation followed by diffusion versus anti-goat IgG and anti-goat whole serum

results in arcs of precipitation. A single arc is observed versus anti-goat IgG and multiple arcs are seen versus anti-goat whole serum.

Titer: Minimum 1:4

Using an Ouchterlony double diffusion (ODD) assay, in 1% agarose, 5 μ l of serially diluted reconstituted antiserum is reacted against 5 μ l of a 1 mg/ml solution of purified mouse IgG2a (well separation: 7.5 mm center to center). Titer is equivalent to the highest dilution of antiserum resulting in a visible precipitate after 24 hours.

Protein Concentration: <90 mg/ml by Biuret.

Reconstitution and Storage

To one vial of lyophilized powder add 2 ml of deionized water. Rotate vial gently until powder dissolves. Prior to reconstitution store the product at 2-8 °C. After reconstitution, the solution may be stored frozen in working aliquots. Repeated freezing and thawing is **not** recommended. If slight turbidity occurs upon prolonged storage clarify the solution by centrifugation before use.

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