



# Murine Anti-Human IgG4

## Clone GMA-674

This antibody is intended for use in *in vitro* assays to selectively bind native human IgG4. Anti-human IgG4 antibodies may be used for detection of antigen-specific antibody reactivity in humans. This reagent is ideal for use as a control for bioanalytical assay development, enabling sensitive and specific detection, quantification, and isotype characterization of human IgG antibodies. It may react with other species' IgG.

### Description

**Antibody Source:** mouse monoclonal, IgG<sub>1</sub>

**Antigen Species Bound:** human

**Specificity:** IgG4

**Immunogen:** human IgG

### Formulation and Storage

**Purity:** Purified by protein G affinity chromatography from serum-free cell culture supernatant.

**Product Formulation:** Lyophilized from a  $\geq 1$  mg/ml solution in 20 mM NaH<sub>2</sub>PO<sub>4</sub> 0.15 M NaCl, 1.0% (w/v) mannitol, pH 7.4. Concentration determined by absorbance measurement at 280 nm and using an extinction coefficient of 1.4 ( $\epsilon_{0.1\%}$ ).

**Reconstitution:** Reconstitute with deionized water.

**Storage:** Store lyophilized or reconstituted and aliquoted material at -20°C for prolonged periods. Avoid freeze-thaw cycles. Alternatively, add 0.02% (w/v) sodium azide to reconstituted solution and store at 4°C.

**Country of Origin:** USA

**Size Options:** 0.1 mg or 0.5 mg

### Applications

**Working Concentration:** Approximately 1-5  $\mu$ g/ml. Researcher should titer antibody in specific assay.

**ELISA:** Binds human IgG4.

**Immunoblotting:** Western blot detects human IgG4 under non-reduced conditions only.

