

Recombinant Human IgG2 Isotype Control Antibody

Catalog No.: PA007127

Background

Naturally synthesized and secreted by plasma B cells, the immunoglobulin G (IgG) antibodies are the most abundant antibody isotypes found in blood and extracellular fluid. There are four IgG subclasses (IgG1, IgG2, IgG3, and IgG4) in humans. IgG antibodies are large molecules of about 150 kDa composed of four peptide chains, two identical heavy chains of about 50 kDa and two identical light chains of about 25 kDa. The four peptides are arranged in a Y-shape tetramer by disulfide bonds formed between the two heavy chains and between a heavy chain and a light chain.

Source: Mammalian cell-derived.

Endotoxin level: Less than 1 EU/mg of protein as determined by LAL method.

Purity: > 95%, by reducing SDS-PAGE.

Formulation: 0.2 µM filtered solution of PBS, pH 7.4.

Applications: An isotype-matched negative control for human IgG1 kappa antibodies used in ELISA, Western Blot (WB), Flow Cytometry (Flow), Immunoprecipitation (IP), Immunohistochemistry (Paraffin) (IHC (P)), Immunohistochemistry (Frozen) (IHC (F)), and in vivo animal model research.

Shipping: The product is shipped with ice packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & storage:

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

1 month from date of receipt if stored at 2°C to 8°C as supplied.

12 months from date of receipt if stored at -20°C to -70°C as supplied.

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<https://www.duozhaozhao.com/human-igg2-isotype-control-antibody-pa007127/>