

## Human IgG<sub>1</sub>κ Isotype Control

Cat. No.	Form	Quantity
0151K-01	Purified (UNLB) IgG	0.5 mg
0151K-04	Alkaline Phosphatase (AP) Conjugate	1.0 mL
0151K-05	Horseradish Peroxidase (HRP) Conjugate	1.0 mL
0151K-09	R-phycoerythrin (R-PE) Conjugate	0.1 mg
0151K-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg

### DESCRIPTION

**Source:** Myeloma serum  
**Isotype:** IgG<sub>1</sub>κ  
**Purification:** Affinity chromatography on protein G covalently linked to agarose  
**Purity:** >95% as judged by SDS-polyacrylamide gel electrophoresis.

### CHARACTERIZATION

To ensure lot-to-lot consistency, each batch of product is tested by ELISA and immunoelectrophoresis to conform with characteristics of a standard reference reagent. In accordance with current Good Manufacturing and Good Laboratory Practices (cGMP/cGLP), any protein of human blood origin should be handled pursuant to your organization's documented safety procedures and as if it is capable of transmitting infection. This product has **NOT** been tested for viral, bacterial, or other infectious agents such as, but not limited to, HIV, HbsAg, HCV.

### RESEARCH APPLICATIONS

- Enzyme-Linked-Immunosorbent-Assay (ELISA)
- SDS-PAGE and immunoblotting

### WORKING DILUTIONS

Optimal dilutions for use of this product vary according to specific applications and should be determined by the individual investigator.

***For Research Use Only. Not for Diagnostic or Therapeutic Use.***

## HANDLING AND STORAGE

- The purified (UNLB) IgG is provided at a concentration of 0.5 mg/mL in 1.0 mL of 100 mM borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* The human IgG solution has been centrifuged and passed through a 0.22  $\mu$  filter, and is free of any visible precipitate. The product should be stored at 2-8°C and is stable for the period shown on the label if stored as directed.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL of stock solution in 50mM Tris/1mM MgCl<sub>2</sub>/50% Glycerol, pH 8.0, containing 0.1% NaN<sub>3</sub> as preservative. Store at 2-8°C or long-term at -20°C.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL of stock solution in 50% glycerol/50% PBS, pH 7.4. No preservative added. Store at 2-8°C or long-term at -20°C.
- The R-phycoerythrin (R-PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. **Aliquot and store at or below -20°C.**

## WARNING

Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.