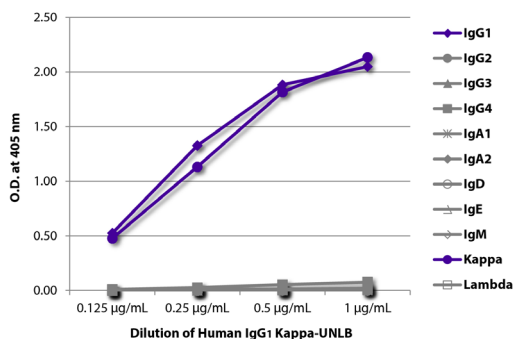




Human IgG₁K Isotype Control

Cat. No.	Format	Size
0151K-01	Purified (UNLB)	0.5 mg
0151K-04	Alkaline Phosphatase (AP)	1.0 mL
0151K-05	Horseradish Peroxidase (HRP)	1.0 mL
0151K-09	R-phycoerythrin (PE)	0.1 mg
0151K-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg
0151K-28	Biotin-maleimide (BIMA)	0.5 mg



ELISA plate was coated with serially diluted Human IgG₁ Kappa-UNLB (SB Cat. No. 0151K-01). Immunoglobulin was detected with Mouse Anti-Human IgG₁ Hinge-BIOT (SB Cat. No. 9052-08), Mouse Anti-Human IgG₂ Fc-BIOT (SB Cat. No. 9060-08), Mouse Anti-Human IgG₃ Hinge-BIOT (SB Cat. No. 9210-08), Mouse Anti-Human IgG₄ pFc'-BIOT (SB Cat. No. 9190-08), Mouse Anti-Human IgA₁-BIOT (SB Cat. No. 9130-08), Mouse Anti-Human IgA₂-BIOT (SB Cat. No. 9140-08), Mouse Anti-Human IgD-BIOT (SB Cat. No. 9030-08), Mouse Anti-Human IgE Fc-BIOT (SB Cat. No. 9160-08), Mouse Anti-Human IgM-BIOT (SB Cat. No. 9020-08), Mouse Anti-Human Kappa-BIOT (SB Cat. No. 9230-08), and Mouse Anti-Human Lambda-BIOT (SB Cat. No. 9180-08) followed by Streptavidin-HRP (SB Cat. No. 7100-05) and quantified.

Description

Isotype	Human IgG ₁ K
Source	Human myeloma serum

Applications

Quality tested applications include –

ELISA ^{1,2}
FLISA

Other referenced applications include –

FC ^{8,9}
IP ³
In vitro control ⁴⁻⁶
In vivo control ^{1,7}
Stim (Fc mediated) ¹⁰
Block ⁶
SPR ¹

Working Dilutions

ELISA	Purified (UNLB) antibody	≤ 2 µg/mL
	BIMA conjugate	1:5,000 – 1:20,000
	AP and HRP conjugates	1:500 – 1:2,000

FLISA	PE conjugate	≤ 1 µg/mL
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Other Applications Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

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

Handling and Storage

- The purified (UNLB) IgG is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL in a stock solution of 50 mM Tris/1 mM MgCl₂/50% glycerol, pH 8.0, containing NaN₃ as preservative. Store at 2-8°C or long-term at -20°C.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL in a stock solution of 50% glycerol/50% PBS, pH 7.4. No preservative added. Store at 2-8°C or long-term at -20°C.
- The biotin (BIMA) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ 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. Contains no preservative; handle under aseptic conditions. Store at 2-8°C or aliquot into smaller volumes and store at -20°C. Avoid multiple freeze / thaw cycles.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.
- If turbidity occurs, clarify the solution by centrifugation prior to use.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

References

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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, and HCV.

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