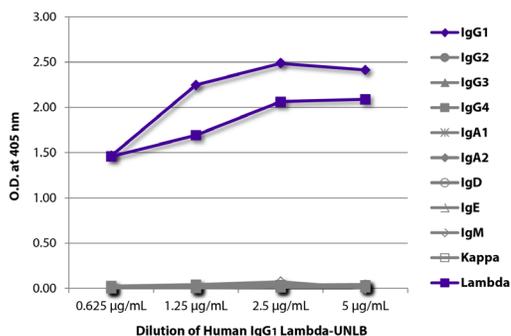




Human IgG₁λ Isotype Control

Cat. No.	Format	Size
0151L-01	Purified (UNLB)	0.5 mg
0151L-04	Alkaline Phosphatase (AP)	1.0 mL
0151L-05	Horseradish Peroxidase (HRP)	1.0 mL
0151L-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg



ELISA plate was coated with serially diluted Human IgG₁ Lambda-UNLB (SB Cat. No. 0151L-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 λ
Source	Human myeloma serum

Applications

Quality tested applications include –
ELISA ^{1,2}

Working Dilutions

ELISA	Purified (UNLB) antibody	≤ 1 µg/mL
	AP conjugate	1:500 – 1:2,000
	HRP conjugate	1:1,000 – 1:4,000

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 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.
- 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

1. Zhang J, Jacobi AM, Mackay M, Aranow C, Wang T, Chinnasamy P, et al. Identification of DNA-reactive B cells in patients with systemic lupus erythematosus. *J Immunol Methods.* 2008;338:79-84. (ELISA)
2. Zhang J, Jacobi AM, Wang T, Berlin R, Volpe BT, Diamond B. Polyreactive autoantibodies in systemic lupus erythematosus have pathogenic potential. *J Autoimmun.* 2009;33:270-4. (ELISA)
3. Liu H, Chumsae C, Gaza-Bulseco G, Hurkmans K, Radziejewski CH. Ranking the susceptibility of disulfide bonds in human IgG1 antibodies by reduction, differential alkylation, and LC-MS analysis. *Anal Chem.* 2010;82:5219-26. (Mass spectrometry)

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.

TB0151L
07-Oct-21