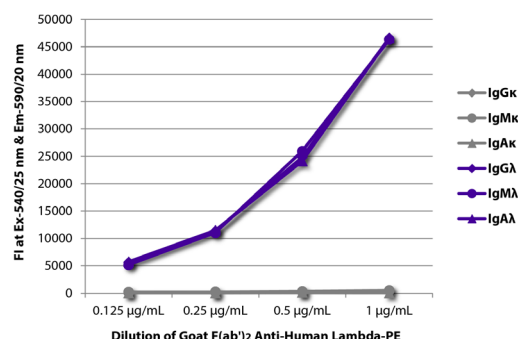




Goat F(ab')₂ Anti-Human Lambda

Cat. No.	Format	Size
2072-01	Purified (UNLB)	0.5 mg
2072-02	Fluorescein (FITC)	0.5 mg
2072-04	Alkaline Phosphatase (AP)	1.0 mL
2072-05	Horseradish Peroxidase (HRP)	1.0 mL
2072-08	Biotin (BIOT)	0.5 mg
2072-09	R-phycoerythrin (PE)	0.25 mg
2072-31	Alexa Fluor 647® (AF647)	0.5 mg



FLISA plate was coated with purified human IgGκ, IgMκ, IgAκ, IgGλ, IgMλ, and IgAλ. Immunoglobulins were detected with serially diluted Goat F(ab')₂ Anti-Human Lambda-PE (SB Cat. No. 2072-09).

Description

Specificity	Reacts with human λ light chains
Source	Pepsin digest of Goat Anti-Human Lambda (SB Cat. No. 2070)
Cross Adsorption	Human κ light chains; may react with λ light chains from other species

Applications

Quality tested applications include –

ELISA
FLISA
FC^{2,3}

Other referenced applications include –

WB¹
Stim⁴

Working Dilutions

ELISA	AP conjugate	1:1,000 – 1:4,000
	HRP conjugate	1:4,000 – 1:8,000
	BIOT conjugate	1:5,000 – 1:20,000
FLISA	FITC conjugate	1:200 – 1:400
	PE and AF647 conjugates	≤ 1 µg/mL
Flow Cytometry	FITC and BIOT conjugates	≤ 1 µg/10 ⁶ cells
	PE and AF647 conjugates	≤ 0.1 µg/10 ⁶ cells
	For flow cytometry, the suggested use of these reagents is in a final volume of 100 µL	
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) antibody is supplied as 0.5 mg 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 fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. 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 (BIOT) 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 0.25 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Alexa Fluor® 647 (AF647) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

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

References

1. Macmillan H, Strohmaier MJ, Ayyangar S, Jiang W, Rajasekaran N, Spura A, et al. The MHC class II cofactor HLA-DM interacts with Ig in B cells. *J Immunol.* 2014;193:2641-50. (WB)
2. Labrijn AF, Buijsse AO, van den Bremer ET, Verwilligen AY, Bleeker WK, Thorpe SJ, et al. Therapeutic IgG4 antibodies engage in Fab-arm exchange with endogenous human IgG4 in vivo. *Nat Biotechnol.* 2009;27:767-71. (FC)
3. de Jongste AH, Kraan J, van den Broek PD, Brooimans RA, Bromberg JE, van Montfort KA. Use of TransFix™ cerebrospinal fluid storage tubes prevents cellular loss and enhances flow cytometric detection of malignant hematological cells after 18 hours of storage. *Cytometry B Clin Cytom.* 2014;86:272-9. (FC)
4. Habib T, Funk A, Rieck M, Brahmandam A, Dai X, Panigrahi AK, et al. Altered B cell homeostasis is associated with type I diabetes and carriers of the PTPN22 allelic variant. *J Immunol.* 2012;188:487-96. (Stim)

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