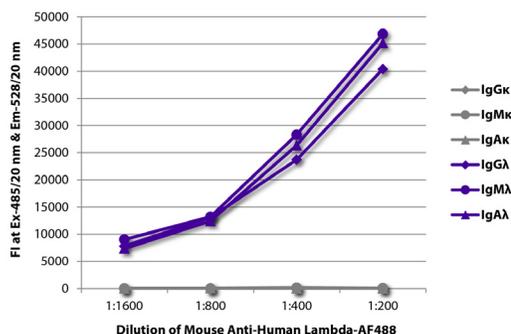




## Mouse Anti-Human Lambda

Cat. No.	Format	Size
9180-01	Purified (UNLB)	0.5 mg
9180-02	Fluorescein (FITC)	0.5 mg
9180-04	Alkaline Phosphatase (AP)	1.0 mL
9180-05	Horseradish Peroxidase (HRP)	1.0 mL
9180-08	Biotin (BIOT)	0.5 mg
9180-09	R-phycoerythrin (PE)	0.1 mg
9180-30	Alexa Fluor® 488 (AF488)	0.1 mg



FLISA plate was coated with purified human IgG $\kappa$ , IgM $\kappa$ , IgA $\kappa$ , IgG $\lambda$ , IgM $\lambda$ , and IgA $\lambda$ . Immunoglobulins were detected with serially diluted Mouse Anti-Human Lambda-AF488 (SB Cat. No. 9180-30).

### Overview

<b>Clone</b>	JDC-12
<b>Isotype</b>	Mouse IgG $\kappa$
<b>Immunogen</b>	Unknown
<b>Specificity</b>	Human/Rhesus Lambda; Mr 25 kDa

### Applications

ELISA – Quality tested <sup>1,2</sup>  
 FLISA – Quality tested  
 FC – Quality tested <sup>4,5</sup>  
 WB – Reported in literature <sup>3</sup>  
 IP – Reported in literature <sup>4</sup>

### Working Dilutions

<b>ELISA</b>	AP conjugate	1:500 – 1:1,000
	HRP conjugate	1:1,000 – 1:2,000
	BIOT conjugate	1:5,000 – 1:20,000
<b>FLISA</b>	FITC and AF488 conjugates	1:200 – 1:400
	PE conjugate	≤ 1 $\mu$ g/mL
<b>Flow Cytometry</b>	FITC, BIOT, and AF488 conjugates	≤ 1 $\mu$ g/10 <sup>6</sup> cells
	PE conjugate	≤ 0.1 $\mu$ g/10 <sup>6</sup> cells
<b>Other Applications</b>	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

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- The purified (UNLB) antibody 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 fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL of stock solution in 50 mM Tris/1 mM MgCl<sub>2</sub>/50% glycerol, pH 8.0, containing 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 biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The R-phycoerythrin (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 Alexa Fluor<sup>®</sup> 488 (AF488) conjugate is supplied as 0.1 mg in 0.2 mL of PBS/NaN<sub>3</sub>. 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

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

## References

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1. Du C, Wingard JR, Cheng S, Nguyen MH, Clancy CJ. Serum IgG responses against Aspergillus proteins before hematopoietic stem cell transplantation or chemotherapy identify patients who develop invasive aspergillosis. *Biol Blood Marrow Transplant.* 2012;18:1927-34. (ELISA)
2. Einarsdottir HK, Stapleton NM, Scherjon S, Andersen JT, Rispens T, van der Schoot CE, et al. On the perplexingly low rate of transport of IgG2 across the human placenta. *PLoS One.* 2014;9(9):e108319. (ELISA)
3. Dobbs AK, Yang T, Farmer D, Kager L, Parolini O, Conley ME. Cutting edge: a hypomorphic mutation in Igβ (CD79b) in a patient with immunodeficiency and a leaky defect in B cell development. *J Immunol.* 2007;179:2055-9. (WB)
4. Pauza ME, Rehmann JA, LeBien TW. Unusual patterns of immunoglobulin gene rearrangement and expression during human B cell ontogeny: human B cells can simultaneously express cell surface κ and λ light chains. *J Exp Med.* 1993;178:139-49. (IP, FC)
5. Stiernholm NB, Berinstein NL. A mutated promoter of a human Ig Vλ gene segment is associated with reduced germ-line transcription and a low frequency of rearrangement. *J Immunol.* 1995;154:1748-61. (FC)
6. Nonhuman Primate Reagent Resource (Rhesus Reactivity)

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