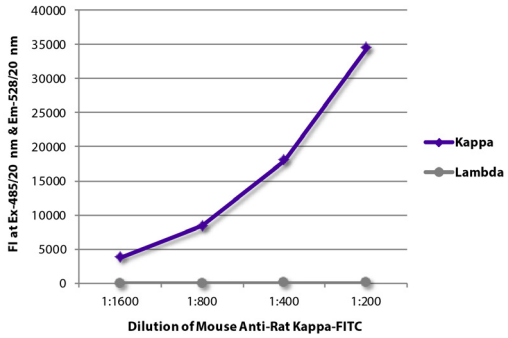
SouthernBiotech

Mouse Anti-Rat Kappa

Cat. No.	Format	Size
3090-01	Purified (UNLB)	0.5 mg
3090-02	Fluorescein (FITC)	0.5 mg
3090-04	Alkaline Phosphatase (AP)	1.0 mL
3090-05	Horseradish Peroxidase (HRP)	1.0 mL
3090-08	Biotin (BIOT)	0.5 mg
3090-09	R-phycoerythrin (PE)	0.1 mg



FLISA plate was coated with purified rat IgG$_{1\kappa}$, IgG$_{2a\kappa}$, IgG$_{2a\lambda}$, IgG$_{2b\kappa}$, IgG$_{2b\lambda}$, IgG$_{2c\kappa}$, IgM$_\kappa$, and IgM$_\lambda$. Immunoglobulins were detected with serially diluted Mouse Anti-Rat Kappa-FITC (SB Cat. No. 3090-02).

Overview

Clone K4F5
Isotype Mouse (BALB/c) IgG$_{2a\kappa}$
Immunogen Rat κ hybridoma
Specificity Rat κ

Applications

FC – Quality tested [1]
ELISA – Quality tested
FLISA – Quality tested
IHC-FS – Reported in literature [2]
WB [3]

Working Dilutions

Flow Cytometry	FITC and BIOT conjugates	≤ 1 μg/10^6 cells
	PE conjugate	≤ 0.1 μg/10^6 cells
	For flow cytometry, the suggested use of these reagents is in a final volume of 100 μL	
ELISA	AP conjugate	1:1,000 – 1:2,000
	HRP conjugate	1:4,000 – 1:8,000
	BIOT conjugate	1:5,000 – 1:10,000
FLISA	FITC conjugate	1:200 – 1:400
	PE conjugate	≤ 1 μg/mL
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.

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Handling and Storage

- 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_3. 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 $MgCl_2$/50% glycerol, pH 8.0, containing NaN_3 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_3; store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN_3 and a stabilizing agent; store at 2-8°C. **Do Not Freeze.**
- 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 (M)SDS.

References

1. Letterio J, Rudikoff E, Voong N, Bauer SR. Transforming growth factor-β1 sensitivity is altered in Abl-Myc- and Raf-Myc-induced mouse pre-B-cell tumors. Stem Cells. 2006;24:2611-7. (FC)
2. Park H, Light A, Lahoud MH, Caminschi I, Tarlinton DM, Shortman K. Evolution of B cell responses to Clec9A-targeted antigen. J Immunol. 2013;191:4919-25. (IHC-FS)
3. SouthernBiotech unpublished data (WB)

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