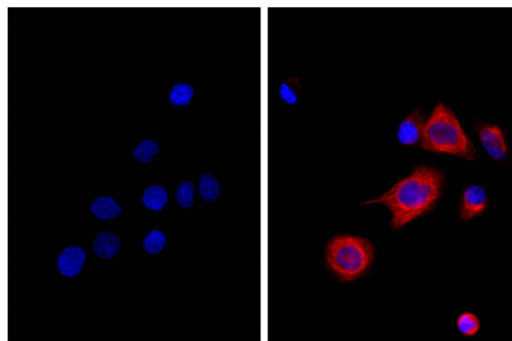




Rat Anti-Mouse IgG_{2b}

Cat. No.	Format	Size
1186-01	Purified (UNLB)	0.5 mg
1186-02	Fluorescein (FITC)	0.5 mg
1186-04	Alkaline Phosphatase (AP)	1.0 mL
1186-05	Horseradish Peroxidase (HRP)	1.0 mL
1186-08	Biotin (BIOT)	0.5 mg
1186-09	R-phycoerythrin (PE)	0.1 mg
1186-09L	R-phycoerythrin (PE)	0.2 mg



Human pancreatic carcinoma cell line MIA PaCa-2 was stained with Mouse Anti-Cytokeratin 18-UNLB (SB Cat. No. 10085-01; right) followed by Rat Anti-Mouse IgG_{2b}-BIOT (SB Cat. No. 1186-08), Streptavidin-CY3 (SB Cat. No. 7100-12), and DAPI.

Overview

Clone	SB74g
Isotype	Rat (Sprague Dawley) IgG _{2b} λ
Immunogen	Mouse IgG _{2b} hybridoma
Specificity	Mouse IgG _{2b}

Applications

FC – Quality tested
 ELISA – Quality tested¹⁻³
 FLISA – Quality tested
 ICC⁵
 WB⁴

Working Dilutions

Flow Cytometry	FITC and BIOT conjugates	≤ 1.0 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 – 1:4,000
	HRP conjugate	1:4,000 – 1:8,000
	BIOT conjugate	1:5,000 – 1:20,000
FLISA	FITC conjugate	1:200 – 1:400
	PE 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.

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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/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 0.1 mg in 1.0 mL or 0.2 mg in 2.0 mL of PBS/NaN₃ 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 SDS.

References

1. Chen M, Hong MJ, Sun H, Wang L, Shi X, Gilbert BE, et al. Essential role for autophagy in the maintenance of immunological memory against influenza infection. *Nat Med.* 2014;20:503-10. (ELISA)
2. de Gouw D, Serra DO, de Jonge MI, Hermans PW, Wessels HJ, Zomer A, et al. The vaccine potential of Bordetella pertussis biofilm-derived membrane proteins. *Emerg Microbes Infect.* 2014;3:e58. (ELISA)
3. Zuest R, Valdes I, Skibinski D, Lin Y, Toh YX, Chan K, et al. Tetravalent dengue DIIC protein together with alum and ODN elicits a Th1 response and neutralizing antibodies in mice. *Vaccine.* 2015;33:1474-82. (ELISA)
4. SouthernBiotech unpublished data (WB)
5. SouthernBiotech published data (ICC)