

ANTI-MOUSE CD19 FITC

**Conjugated Rat Monoclonal Antibodies Against Mouse CD19
Clone 1D3**

FITC-conjugate:	Catalog # 10707	100 mg
	Catalog # 10708	500 mg
PE-conjugate:	Catalog # 10807	100 mg
	Catalog # 10808	200 mg

SPECIFICITY:

CD19 is a 95 kDa transmembrane glycoprotein. CD19 is expressed throughout B cell development, but is lost upon terminal differentiation into plasma cells. CD19 is also expressed on peritoneal mast cells, co-localized with CD21/CD35 and may be involved in complement-mediated mast-cell activation.

CLONE: 1D3

ISOTYPE: IgG_{2a} (rat)

FORMAT:

FITC-conjugate: Catalog # 10707: 100 µg in 0.2 mL (0.5 mg/mL) diluent
Catalog # 10708: 500 µg in 1.0 mL (0.5 mg/mL) diluent
PE-conjugate: Catalog # 10807: 100 µg in 0.5 mL (0.2 mg/mL) diluent
Catalog # 10808: 200 µg in 1.0 mL (0.2 mg/mL) diluent
Diluent: Aqueous buffered solution, containing 0.09% (w/v) sodium azide.

STABILITY AND STORAGE:

Store at 4°C. Do not freeze. Product is stable for at least 6 months.

APPLICATIONS AND DIRECTIONS FOR USE:

Flow cytometry:

Recommended amount per 1x10⁶ cells in a volume of 100 µL:

- FITC-conjugate (Cat No. 10707,10708): ≤ 1 µg (2 µL)
- PE-conjugate (Cat No. 10807,10808): ≤ 1 µg (5 µL)

Appropriate conditions should be established for each application.

Cell separation:

Positive selection of murine CD19⁺ cells with StemCell's reagents for immunomagnetic cell separation. Please contact us for more information.

**NOT FOR CLINICAL USE; INCLUDING IN VITRO DIAGNOSTIC USE, AND EX VIVO OR IN VIVO THERAPEUTIC USE IN CLINICAL TRIALS OR IN CLINICAL PRACTISE.
THIS REAGENT IS FOR RESEARCH ONLY**

Hazardous Ingredient: Sodium Azide. Avoid exposure to skin and eyes, ingestion and contact with heat, acids and metals. Wash exposed skin with soap and water. Flush eyes with water. Dilute with running water before discharging into plumbing.

REFERENCES:

1. Barclay AN, Brown MH, Law SKA, McKnight AJ, Tomlinson MG, van der Merwe PA, eds. 1997. The Leukocyte Antigens Facts Book, 2nd Edition, CD19. Academic Press, NY, p 179-180.
2. Krop I, de Fougerolles AR, Hardy RR, Allison M, Schlissel MS, Fearon DT. Self-renewal of B-1 lymphocytes is dependent on CD19. Eur J Immunol. 26:238-242, 1996.
3. Gommerman JL, Oh DY, Zhou X, Tedder TF, Maurer M, Galli SJ, Carroll MC. A role for CD21/CD35 and CD19 in responses to acute septic peritonitis: a potential mechanism for mast cell activation. J Immunol 16:6915-6921, 2000.