

Technical Data Sheet

FITC Mouse Anti-Rat CD11b

Product Information

Material Number:	561684
Alternate Name:	Itgam; Integrin α M chain; Mac-1 α chain; Integrin beta 2 alpha subunit
Size:	50 μ g
Concentration:	0.5 mg/ml
Clone:	WT.5
Immunogen:	Rat neutrophils
Isotype:	Mouse (BALB/c) IgA, κ
Reactivity:	QC Testing: Rat
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

The WT.5 monoclonal antibody specifically binds to CD11b, the α subunit of Mac-1 found on neutrophils and myeloid cells, but not on lymphocytes. Mac-1 expression is rapidly upregulated on neutrophils after activation, in the same time period that CD62L (L-selectin) is shed from the cell surface. Mac-1 mediates adhesion to ICAM-1 (CD54) and C3bi. Neutrophil binding to ICAM-1 is blocked by mAb WT.5.

Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was removed.

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
553478	FITC Mouse IgA, κ Isotype Control	0.25 mg	M18-254
554656	Stain Buffer (FBS)	500 ml	(none)

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/colors.

References

Tamatani T, Kitamura F, Kuida K, et al. Characterization of rat LECAM-1 (L-selectin) by the use of monoclonal antibodies and evidence for the presence of soluble LECAM-1 in rat sera. *Eur J Immunol*. 1993; 23(9):2181-2188. (Immunogen)

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