

Technical Data Sheet

Biotin Mouse Anti-Human IgM

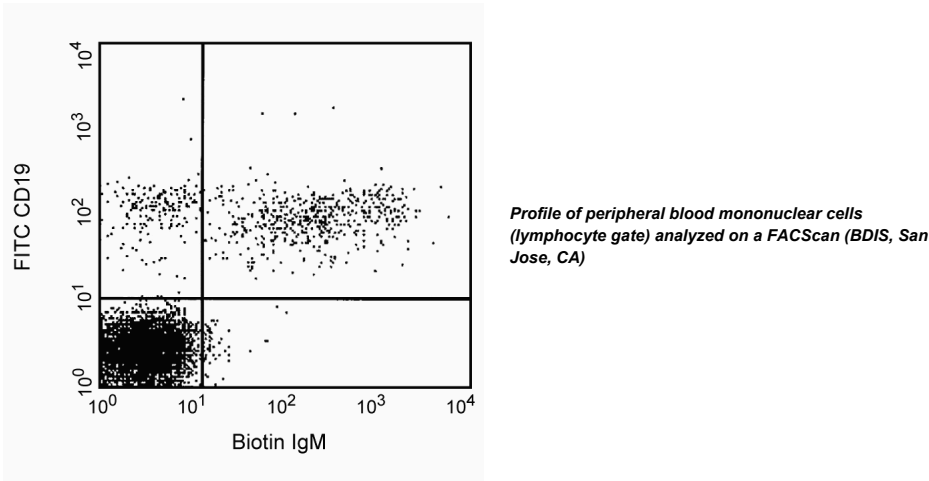
Product Information

Material Number:	555781
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	G20-127
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The G20-127 antibody reacts specifically with the heavy chain of human IgM. It does not react with other heavy chain isotypes.

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.



Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. The antibody was conjugated with biotin under optimum conditions, and unreacted biotin was removed. Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Flow cytometry	Routinely Tested
ELISA	Tested During Development

Recommended Assay Procedure:

For the sandwich human IgM ELISA, biotin conjugated G20-127 is optimal for detection when using mAb with purified JDC-15 (Cat. No. 555856) as a capture antibody.

Suggested Companion Products

Catalog Number	Name	Size	Clone
554061	Streptavidin PE	0.5 mg	(none)
555747	Biotin Mouse IgG1 κ Isotype Control	100 tests	MOPC-21

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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.

References

- Guesdon JL, Ternynck T, Avrameas S. The use of avidin-biotin interaction in immunoenzymatic techniques. *J Histochem Cytochem.* 1979; 27(8):1131-1139. (Biology)
- Zola H, Macardle PJ, Flego L, Webster J. The expression of sub-population markers on B cells: a re-evaluation using high-sensitivity fluorescence flow cytometry. *Dis Markers.* 1991; 9(2):103-118.(Biology)