

Technical Data Sheet

FITC Mouse Anti-Human β 2-Microglobulin

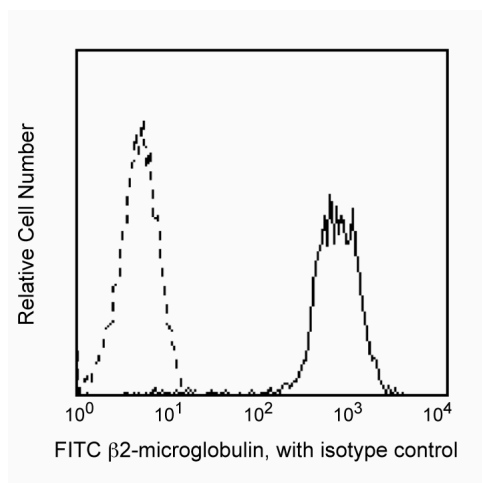
Product Information

Material Number:	551338
Size:	100 tests
Vol. per Test:	20 μ l
Clone:	TÜ99
Isotype:	Mouse IgM κ
Reactivity:	QC Testing: Human
Workshop:	N/A
Storage Buffer:	Aqueous buffered solution containing BSA and $\leq 0.09\%$ sodium azide.

Description

β 2-microglobulin is the 12 kDa β chain which noncovalently associates with the 44 kDa α chain to form the HLA Class I antigen complex. This antibody reacts with free or complexed β 2-microglobulin. TÜ99 does not react with β 2-microglobulin of other species. This antibody is suitable for staining formalin-fixed, paraffin-embedded tissue sections using TUF pretreatment.

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.



Profile of peripheral blood lymphocytes analyzed by flow cytometry

Preparation and Storage

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

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
555583	FITC Mouse IgM Kappa Isotype Control	100 tests	G155-228

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Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1×10^6 cells in a 100- μ l experimental sample (a test).
2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. Please refer to www.bdbiosciences.com/pharming/en/protocols for technical protocols.
4. 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.
5. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

Bardlay NA, Brown MH, Birkeland ML, et al, ed. *The Leukocyte Antigen FactsBook*. San Diego, CA: Academic Press; 1997.(Biology)
Desoye G, Dohr GA, Motter W, et al. Lack of HLA class I and class II antigens on human preimplantation embryos. *J Immunol.* 1988; 140(12):4157-4159.(Biology)
Dohr GA, Motter W, Leitinger S, et al. Lack of expression of HLA [corrected] class I and class II molecules on the human oocyte. *J Immunol.* 1987; 138(11):3766-3770.(Biology)