

Technical Data Sheet

Purified Mouse Anti-Human β 2-Microglobulin

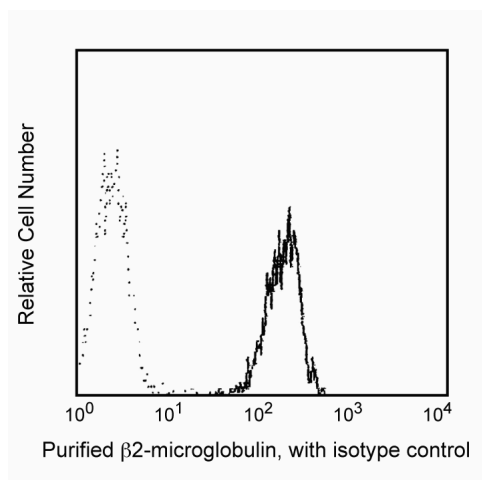
Product Information

Material Number:	555550
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	TÜ99
Isotype:	Mouse IgM κ
Reactivity:	QC Testing: Human
Workshop:	N/A
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ 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 on a FACScan (BDIS, San Jose, CA)

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. Store undiluted at 4° C.

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Gt/Ms
555581	Purified Mouse IgM Kappa Isotype Control	0.1 mg	G155-228

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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/pharmlingen/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

Barclay 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)