Technical Data Sheet

Purified Mouse Anti-Rat β2 Microglobulin

Product Information

Material Number:	**558765**
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	TLD-3H12B
Immunogen:	Cultured Lewis rat microglial cells
Isotype:	Mouse (BALB/c) IgG1, κ
Reactivity:	QC Testing: Rat
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The TLD-3H12B antibody reacts with β2 microglobulin, a 12 kDa protein consisting of a single immunoglobulin constant-region domain. β2 microglobulin is noncovalently associated with the MHC class I heavy chain and CD1. It is expressedon most nucleated cells and erythrocytes.

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
Western blot	Reported
Immunohistochemistry	Reported

Suggested Companion Products

Catalog Number	Name	Size	Clone
557273	Purified Mouse IgG1, κ Isotype Control	0.5 mg	MOPC-31C
554001	FITC Goat Anti-Mouse Ig	0.5 mg	Polyclonal

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. Sodium azide is a reversible inhibitor of oxidative metabolism; therefore, antibody preparations containing this preservative agent must not be used in cell cultures nor injected into animals. Sodium azide may be removed by washing stained cells or plate-bound antibody or dialyzing soluble antibody in sodium azide-free buffer. Since endotoxin may also affect the results of functional studies, we recommend the NA/LE (No Azide/Low Endotoxin) antibody format, if available, for in vitro and in vivo use.

References

Ichimiya S, Kikuchi K, Matsuura A. Structural analysis of the rat homologue of CD1. Evidence for evolutionary conservation of the CD1D class and widespread transcription by rat cells. *J Immunol*. 1994; 153(3):1112-1123.(Biology)
Kroese FGM. Immunology of the Rat. In: Pastoret PP, Griebel P, Bazin H, Govaerts A, ed. *Handbook of Vertebrae Immunology*. Academic Press; 1998:137-222. (Biology)

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