Technical Data Sheet

Purified Mouse Anti-Mouse β2 Microglobulin[b,c]

Product Information

Material Number:	**555299**
Alternate Name:	Ly-m11
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	S19.8
Immunogen:	B10.S Mouse Spleen Cells
Isotype:	Mouse (SJL) IgG2b, κ
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The s19.8 antibody reacts with the b and c alloantigens of β2 microglobulin, originally designated Ly-m11. β2 microglobulin is a 12 kDa protein, homologous to a single immunoglobulin constant-region domain, which is noncovalently associated with the MHC class I heavy chain. It may also associate noncovalently with CD1d in some cells types. Positive strains include C57BL/6, C57BL/10, C57BR, and C57L; whereas, A, AKR, BALB/c, C58, C3H, CBA, DBA/1, DBA/2, SJL, SWR, and 129 strains are negative.

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
Cytotoxicity	Reported
Immunofluorescence	Reported

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. 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.
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.

References

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