Technical Data Sheet

Purified Mouse IgM, κ Isotype Control

Product Information

Material Number:	**557275**
Alternate Name:	b allotype, anti-KLH
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	C48-6
Immunogen:	Trinitrophenol-KLH
Isotype:	Mouse (C57BL/6) IgM, κ
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The C48-6 antibody is specific for keyhole limpet hemocyanin (KLH).

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
ELISA Standard	Routinely Tested
Isotype control	Routinely Tested
Immunohistochemistry-frozen	Tested During Development
Immunohistochemistry-paraffin	Tested During Development
Immunohistochemistry-formalin (antigen retrieval required)	Tested During Development

Recommended Assay Procedure:
C48-6 is useful as a standard in ELISA or as an isotype-matched negative control for immunostaining. Other reported applications include immunohistochemical staining (IHC) of acetone-fixed frozen and formalin-fixed paraffin-embedded sections. For IHC, we recommend the use of purified C48-6 mAb in our special formulation for immunohistochemistry, Cat. no. 550340.

Suggested Companion Products

Catalog Number	Name	Size	Clone
550340	Purified Mouse IgM, κ Isotype Control	1.0 ml	C48-6

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. An isotype control should be used at the same concentration as the antibody of interest.
3. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
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.
5. 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.

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