

Technical Data Sheet

Purified Mouse IgG3, κ Isotype Control

Product Information

Material Number:	553486
Alternate Name:	anti-KLH
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	A112-3
Immunogen:	TNP-KLH
Isotype:	Mouse (BALB/c) IgG3, κ
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The A112-3 clone is specific for keyhole limpet hemocyanin, (KLH). TNP-KLH, the immunogen, is not expressed on human, mouse, or rat cells. In the absence of specific binding, this antibody may bind non-specifically to Fc receptors. The immunoglobulin from clone A112-3 was selected as an isotype control following screening for low background on a variety of mouse and human tissues.

This antibody is routinely tested by flow cytometric analysis and ELISA. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.

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

ELISA Standard	Routinely Tested
Flow cytometry	Routinely Tested
Isotype control	Routinely Tested
Intracellular staining (flow cytometry)	Not Recommended
Immunohistochemistry	Not Recommended

Recommended Assay Procedure:

An isotype control should be used at the same concentration as the antibody of interest. This product is not recommended for use as an isotype control for intracellular or immunohistochemical staining applications. For immunohistochemical staining, we suggest the purified mouse IgG3, κ myeloma protein J606 in our special formulation for immunohistochemistry, Cat. No. 550341. We recommend Cat. No. 555577 for immunofluorescent staining of human whole blood and Cat. No. 556657 for non-human primate blood.

Caution: 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, (Cat. No. 553466) for in vitro and in vivo use.

Suggested Companion Products

Catalog Number	Name	Size	Clone
556657	Purified Mouse IgG3, κ Isotype Control	0.1 mg	J606
555577	Purified Mouse IgG3, κ Isotype Control	0.1 mg	J606
550341	Purified Mouse IgG3, κ Isotype Control	1.0 ml	J606

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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/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.