

Technical Data Sheet

Purified Mouse Anti-TNP

Product Information

Material Number:	554054
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	107.3
Immunogen:	TNP-keyhole limpet hemocyanin
Isotype:	Mouse (BALB/c) IgG1 κ
Reactivity:	QC Testing: TNP
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

The 107.3 clone has an unknown specificity. Trinitrophenal (TNP), the immunogen, is a hapten not expressed on human or mouse cells. In the absence of specific binding, this antibody may bind non-specifically to Fc receptors. The immunoglobulin from clone 107.3 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 ELISA analysis. 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	Routinely Tested
Isotype control	Tested During Development

Recommended Assay Procedure:

This immunoglobulin is useful for quantitation of TNP by the sandwich ELISA. For the sandwich TNP ELISA, mAb 107.3 is optimal for capture with anti-TNP 49.2 mAb (Cat. no. 554055) for detection.

Caution: Sodium azide is a reversible inhibitor of oxidative metabolism; therefore, antibody preparations containing this preservation 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 for in vitro and in vivo use.

Suggested Companion Products

Catalog Number	Name	Size	Clone
554055	Biotin Mouse Anti-TNP	0.5 mg	49.2

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. 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.
3. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

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