

## Technical Data Sheet

Biotin Rat IgM,  $\kappa$  Isotype Control

## Product Information

Material Number:	550343
Size:	1.0 ml
Concentration:	250 $\mu$ g/ml
Clone:	R4-22
Immunogen:	Pooled Mouse Ig
Isotype:	Rat IgM, $\kappa$
Storage Buffer:	Aqueous buffered solution containing BSA, goat serum, and $\leq 0.09\%$ sodium azide.

## Description

The R4-22 antibody has unknown specificity.

## Preparation and Storage

Store undiluted at 4°C.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated with biotin under optimum conditions, and unreacted biotin was removed.

## Application Notes

## Application

Isotype control	Routinely Tested
Flow cytometry	Routinely Tested
Immunohistochemistry-frozen	Tested During Development
Immunohistochemistry-paraffin	Tested During Development
Immunohistochemistry-zinc-fixed	Tested During Development

## Recommended Assay Procedure:

Investigators are highly encouraged to titrate the antibody for each individual application.

For immunohistochemical staining of formalin-fixed paraffin fixed sections, a dilution range of 1:12.5 - 1:50 is suggested.

## Suggested Companion Products

Catalog Number	Name	Size	Clone
550946	Streptavidin HRP	50 ml	(none)
559148	Antibody Diluent for IHC	125 ml	(none)
550880	DAB Substrate Kit	500 tests	(none)

## 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. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
4. This antibody has been developed for the immunohistochemistry application. However, a routine immunohistochemistry test is not performed on every lot. Researchers are encouraged to titrate the reagent for optimal performance.
5. An isotype control should be used at the same concentration as the antibody of interest.
6. Please refer to [www.bdbiosciences.com/pharmingen/protocols](http://www.bdbiosciences.com/pharmingen/protocols) for technical protocols.

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