

## Technical Data Sheet

## APC-R700 Mouse IgG1, κ Isotype Control

## Product Information

Material Number:	564974
Size:	0.1 mg
Concentration:	0.2 mg/ml
Clone:	X40
Immunogen:	Keyhole limpet hemocyanin (KLH)
Isotype:	Mouse (BALB/c) IgG1, κ
Storage Buffer:	Aqueous buffered solution containing BSA, protein stabilizer, glycerol and ≤0.09% sodium azide.

## Description

The X40 hybridoma was derived from the fusion of mouse Sp2/0-Ag 14 myeloma cells with spleen cells from BALB/c mice immunized with keyhole limpet hemocyanin (KLH). The hybridoma secretes monoclonal antibody that binds specifically to KLH, an antigen not expressed on human cells or human cell lines.

This antibody was conjugated to BD Horizon APC-R700, which has been developed exclusively by BD Biosciences as a better alternative to Alexa Fluor® 700. APC-R700 excites and emits at similar wavelengths to Alexa Fluor® 700 yet exhibits significantly improved brightness. This dye can be excited by the red laser and detected with the same filter set as Alexa Fluor® (eg, 730/45-nm filter).

## Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

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

The antibody was conjugated with BD Horizon APC-R700 under optimum conditions, and unconjugated antibody and free BD Horizon APC-R700 were removed.

## Application Notes

## Application

Flow cytometry	Routinely Tested
Isotype control	Routinely Tested

## Suggested Companion Products

Catalog Number	Name	Size	Clone
554656	Stain Buffer (FBS)	500 mL	(none)
554657	Stain Buffer (BSA)	500 mL	(none)

## 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. Alexa Fluor® is a registered trademark of Molecular Probes, Inc., Eugene, OR.
4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
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.
6. For fluorochrome spectra and suitable instrument settings, please refer to our Multicolor Flow Cytometry web page at [www.bdbiosciences.com/colors](http://www.bdbiosciences.com/colors).
7. Please refer to [www.bdbiosciences.com/pharmingen/protocols](http://www.bdbiosciences.com/pharmingen/protocols) for technical protocols.

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