Mouse IgG2c Heavy Chain Antibody

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Goat Polyclonal Conjugate Biotin

Antigen Affinity Purified

Catalog No. A90-136B

Lot No. 15

APPLICATIONS	WB, IHC, ICC, ELISA
SPECIES REACTIVITY	Mouse
AMOUNT	1 ml
CONCENTRATION	1 mg/ml
STORAGE/SHELF LIFE	2 - 8°C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Phosphate Buffered Saline (PBS) containing 0.2% BSA and 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA

PRODUCTION PROCEDURES

Antiserum was solid phase adsorbed to ensure subclass specificity to IgG2c; sometimes referred to as the Igh 1b allele of IgG2a. (Martin et al., Journal of Immunological Methods, 1998, 212, 187-192) The antibody was isolated by affinity chromatography using antigen coupled to agarose beads and conjugated to biotin.

Immunoglobulin concentration was determined using Beer's Law where 1mg/mL IgG has an A280 of 1.4.

By immunoelectrophoresis and ELISA, the antiserum reacts specifically with mouse IgG2c in C57BL/6, SJL, C57BL/10, CB20, C57BL/6 by Balb/C crosses and pools of serum of outbred mice obtained from several commercial sources. No antibody was detected against immunoglobulin light chains, other IgG subclasses or non-immunoglobulin serum proteins. This antibody may cross react with IgG2c from other species.

Biotinylated antibody was demonstrated by reaction with avidin/peroxidase when coated on microtiter wells. Working dilutions should be determined by the investigator.

APPLICATIONS

Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot	1:10,000 - 1:200,000
Immunohistochemistry	1:250 - 1:2500
Immunocytochemistry	1:100 - 1:500
ELISA	1:10,000 - 1:200,000

APPLICATION NOTES

Not all listed applications have been specifically tested by our laboratory.

ADDITIONAL INFO

https://www.fortislife.com/p/A90-136B

Use the link above to view SDS, a current list of citations, and other product specific information.

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Michael Spencer, PhD

Date: May 1, 2024

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