Mouse IgG3 Heavy Chain Antibody

Goat Polyclonal Conjugate Biotin

Antigen Affinity Purified

Catalog No. A90-111B

Lot No. 12

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. 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 this antibody reacts specifically with mouse IgG3. Cross reactivity to mouse IgM, IgA, IgG1, IgG2a, IgG2b, IgG2c, and IgE is less than 1%. Some hybridoma clones may express aberrant immunoglobulin-related peptides that are improperly recognized by this antibody. 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.

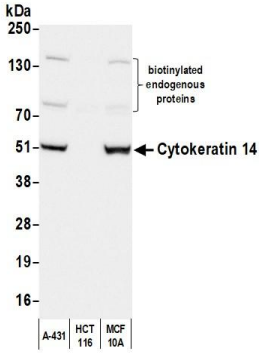
Western Blot	1:10,000 - 1:200,000
Immunohistochemistry	1:250 - 1:2500
Immunocytochemistry	1:100 - 1:500
ELISA	1:10,000 - 1:200,000

APPLICATION NOTES	Not all listed applications have been specifically tested by our laboratory.
ADDITIONAL INFO	Please visit our website for additional product information.

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

Date: July 27, 2026

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Detection of human Cytokeratin 14 by western blot with Biotinylated Goat anti-Mouse IgG3 Heavy Chain Antibody. *Samples:* Whole cell lysate (25 µg) from A-431, HCT 116, and MCF10A cells prepared using NETN lysis buffer. *Antibody:* Mouse anti-Cytokeratin 14 Recombinant Monoclonal Antibody [LL002] used for WB at 1:1000. *Secondary:* Biotinylated Goat anti-Mouse IgG3 Heavy Chain Antibody (A90-111B). *Tertiary:* HRP-conjugated Rabbit anti-Biotin Antibody (A150-109P). *Detection:* Chemiluminescence with an exposure time of 1 second.

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