Dog IgG2 Heavy Chain Antibody

Sheep Polyclonal Conjugate HRP

Antigen Affinity Purified

Catalog No. A40-121P

Lot No. 32

APPLICATIONS	WB, IHC, ICC, ELISA
SPECIES REACTIVITY	Dog
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 0.05% Pro-Clean 400
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 horseradish peroxidase (HRP). Prior to conjugation, immunoglobulin concentration was determined using Beer's Law where 1mg/mL IgG has an A280 of 1.4. Molar enzyme/antibody protein ratio is 4:1. By immunoelectrophoresis and ELISA this antibody reacts specifically with dog IgG2. No antibody was detected against immunoglobulin light chains or non-immunoglobulin serum proteins. This antibody may cross react with IgG2 from other species.
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	1:2000 - 1:20,000
Immunohistochemistry	1:200 - 1:2000
Immunocytochemistry	1:200 - 1:2000
ELISA	1:10,000 - 1:100,000

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.

Michael Spencer, PhD Date: December 17, 2025

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