

# Bovine IgG2 Antibody

Sheep Polyclonal

Conjugate Alkaline Phosphatase

Antigen Affinity Purified

Catalog No. A10-117AP

Lot No. A10-117AP-20



<b>APPLICATIONS</b>	WB, IHC, ICC, ELISA
<b>SPECIES REACTIVITY</b>	Bovine
<b>AMOUNT</b>	1 ml
<b>CONCENTRATION</b>	0.5 mg/ml
<b>STORAGE/SHELF LIFE</b>	2 – 8° C / 1 year from date of receipt
<b>PHYSICAL STATE</b>	Liquid
<b>BUFFER</b>	50 mM HEPES pH 7.1, 0.1 M NaCl, 1 mM MgCl <sub>2</sub> , 0.1 mM ZnCl <sub>2</sub> containing 0.09% Na <sub>3</sub>
<b>ISOTYPE</b>	IgG
<b>ORIGIN</b>	USA
<b>PRODUCTION PROCEDURES</b>	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 alkaline phosphatase (alkphos).

Antibody concentration was determined by extinction coefficient prior to conjugation: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG. Molar enzyme:antibody protein ratio is 1:1.

By immunoelectrophoresis and ELISA this antibody reacts specifically with bovine IgG2. 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	1:1,000 – 1:10,000
Immunohistochemistry	1:100 – 1:1,000
Immunocytochemistry	1:100 – 1:1,000
ELISA	1:1,000 – 1:10,000

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

**ADDITIONAL INFO** <https://www.bethyl.com/product/A10-117AP>  
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.  
Brian McWilliams, PhD Date: June 7, 2021