

## Certificate of Analysis

Product:	Goat anti-Bovine IgG (H&L), ALP Conjugate
Part Number:	GtxBo-003-DALP
Lot Number:	70-83-101119
Amount:	1.0 mg @ 1.50 mg/ml (E <sup>1%</sup> at 280 nm = 13.0)
Label:	Alkaline Phosphatase (ALP)
Form:	Clear, colorless liquid
Purification:	Affinity purified using solid phase Bovine IgG
Purity:	Affinity purified antibody is ≥ 95 % based on SDS-PAGE
Host:	Goat
Immunogen:	Purified Bovine IgG, whole molecule
Buffer:	30 mM Triethanolamine, pH 7.2, 5 mM Magnesium Chloride, 0.1 mM Zinc Chloride, 1 % (w/v) BSA, Protease/IgG free
Preservative:	0.05 % (w/v) Sodium Azide
Storage:	Store undiluted liquid at 2-8 °C. For storage at -20 °C, dilute with an equal volume of glycerol to prevent loss of enzymatic activity. Prepare working dilution prior to use and then discard.
Shelf Life:	1 year from date of receipt
Specificity:	Based on IEP, this antibody reacts with: <ul style="list-style-type: none"><li>• heavy (γ) chains on Bovine IgG</li><li>• light chains on all Bovine immunoglobulins</li></ul>
Cross Reactivity:	Based on IEP, no reactivity is observed to: <ul style="list-style-type: none"><li>• non-immunoglobulin Bovine serum proteins</li></ul>
Country of Origin:	Goat antiserum was obtained from healthy animals of US origin and under the care of a registered veterinarian.
Note:	This conjugate was prepared using Part # GtxBo-003-D, Lot # 47-81-081816
Applications:	The optimal working dilution should be determined by the investigator. Suitable for use in: ELISA, WB, IHC Suggested starting dilutions: <ul style="list-style-type: none"><li>• 1:500-1:2,000 for Immunohistochemistry</li><li>• 1:500-1:8,000 for ELISA/Western blot</li></ul>
Disclaimer:	<i>For in vitro Laboratory Use Only.</i> Not for diagnostic or therapeutic use. Not for human or animal consumption. The proper selection and use of our products is the sole responsibility of the end user, and therefore we can offer no guarantee to a specific experimental outcome. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license under any patent of ImmunoReagents, Inc.

**Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.**

## Testing Results

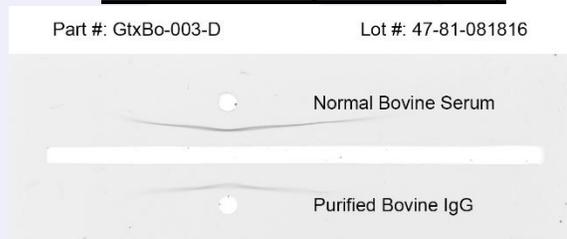
**PRODUCT:** Goat anti-Bovine IgG (H&L), ALP Conjugate  
**PART NUMBER:** GtxBo-003-DALP  
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<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Clear, colorless liquid	PASS
Purity:	Two predominant bands at 50 and 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none"><li>heavy (<math>\gamma</math>) chains on Bovine IgG</li><li>light chains on all Bovine immunoglobulins</li></ul>	PASS PASS
Cross Reactivity:	Based on IEP, this antibody does not have precipitin bands to: <ul style="list-style-type: none"><li>non-immunoglobulin Bovine serum proteins</li></ul>	PASS
ELISA:	Dilution giving $A^{405}$ reading of $\geq 1.0$ when tested against Bovine IgG coated at 2 $\mu\text{g/ml}$	1:2,000

### SDS-PAGE



### Immunoelectrophoresis (IEP)



- 1) GtxBo-003-D, Lot # 47-81-081816
- 2) Mol Weight Standard

Date: October 22, 2019

Signature:  Quality Control