
Certificate of Analysis

Product:	Goat anti-Llama IgG (H&L), FITC Conjugate
Part Number:	GtxLI-003-DFITC
Lot Number:	67-47-032519
Amount:	1.0 mg of antibody at 1.50 mg/ml ($E^{1\%}$ at 280 nm = 13.0)
Fluorophore:	Fluorescein-5-isothiocyanate Amax = 494 nm; Emax = 519 nm
Fluor/Protein Ratio:	6.2 Moles FITC per Mole Antibody
Form:	Clear, fluorescent yellow liquid
Purification:	Antibody was affinity purified using solid phase Llama IgG
Purity:	Affinity purified antibody is $\geq 95\%$ based on SDS-PAGE
Host:	Goat
Immunogen:	Purified Llama IgG, whole molecule
Buffer:	10 mM Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 1 % (w/v) BSA, Protease/IgG free
Preservative:	0.05 % (w/v) Sodium Azide
Storage:	Store undiluted liquid at 2-8 °C. 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">heavy (γ) chains on Llama IgGlight chains on all Llama immunoglobulins
Cross Reactivity:	Based on IEP, no reactivity is observed to: <ul style="list-style-type: none">non-immunoglobulin Llama serum proteins
Country of Origin:	Goat antiserum was obtained from animals of US origin and under the care of a registered veterinarian.
Note:	This conjugate was prepared using Part # GtxLI-003-D, Lot # 41-19-060614.
Applications:	This conjugate is suitable for immunomicroscopy and flow cytometry. The optimal working dilution should be determined by the investigator. Suggested starting dilution(s): <ul style="list-style-type: none">1:20 – 1:2,000 for Immunohistochemistry1:50 – 1:5,000 for Immunocytochemistry
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-Llama IgG (H&L), FITC Conjugate
PART NUMBER: GtxLI-003-DFITC
LOT NUMBER: 67-47-032519

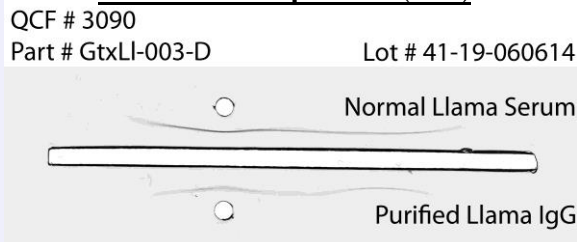
<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Clear, fluorescent yellow liquid	PASS
Purity:	Two predominant bands at 50 and 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none"> • heavy (γ) chains on Llama IgG • light chains on all Llama immunoglobulins 	PASS PASS
Cross Reactivity:	Based on IEP, no precipitin bands are observed to: <ul style="list-style-type: none"> • non-immunoglobulin Llama serum proteins 	PASS
FLISA:	Mean fluorescent value of 8 μ g/ml of FITC conjugate when tested against normal Llama IgG coated at 4 μ g/ml	1630 MFI's
F.I.T.:	Mean fluorescent intensity of a 1:1000 dilution at Ex-488 nm (+/-9)/Em-518 nm (+/-9)	6091 MFI's

SDS-PAGE



1) GtxLI-003-D, Lot # 41-19-060614
 2) Mol Weight Standard

Immunoelectrophoresis (IEP)



Date: March 28, 2019

Signature: _____
 Quality Control