
Certificate of Analysis

Product:	Goat anti-Rat IgG (H&L), F(ab) ² Fragment, TRITC Conjugate
Part Number:	GtxRt-003-L2RHOX
Lot Number:	68-33-010919
Amount:	0.5 mg of antibody at 1.00 mg/ml (E ^{1%} at 280 nm = 13.0)
Form:	Lyophilized
Fluorophore:	Tetramethylrhodamine-5-isothiocyanate (TRITC) Ex = 550 nm; Em = 570 nm
Fluor/Protein Ratio:	2.3 Moles TRITC per Mole Antibody
Purification:	Antibody was affinity purified using solid phase Rat IgG. F(ab) ² fragment was prepared by pepsin digestion.
Purity:	Affinity purified antibody is ≥ 90 % based on SDS-PAGE. Small amounts of intact IgG may be present.
Host:	Goat
Immunogen:	Purified Rat 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
Reconstitution:	Rehydrate with 0.55 ml of deionized water. Allow reconstituted product to stand at room temperature for at least 30 minutes prior to dilution. If necessary, centrifuge to remove any particulates. Prepare fresh working dilution daily.
Storage:	Store lyophilized material at 2-8 °C. For storage at -20 °C after reconstitution, 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">• heavy (γ) chains on Rat IgG• light chains on all Rat immunoglobulins
Cross Reactivity:	Based on IEP, no reactivity is observed to: <ul style="list-style-type: none">• non-immunoglobulin Rat serum proteins• IgG from Goat, Hamster, Human, Mouse, or Rabbit• serum from Bovine, Goat, Horse, Human, Mouse, or Rabbit
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 # GtxRt-003-L2, Lot # 41-6-040914.
Applications:	This conjugate is suitable for use in: FLISA, IF, IM, IHC, FACS. 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 most applications
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-Rat IgG (H&L), F(ab)'2 Fragment, TRITC Conjugate
PART NUMBER: GtxRt-003-L2RHOX
LOT NUMBER: 68-33-010919

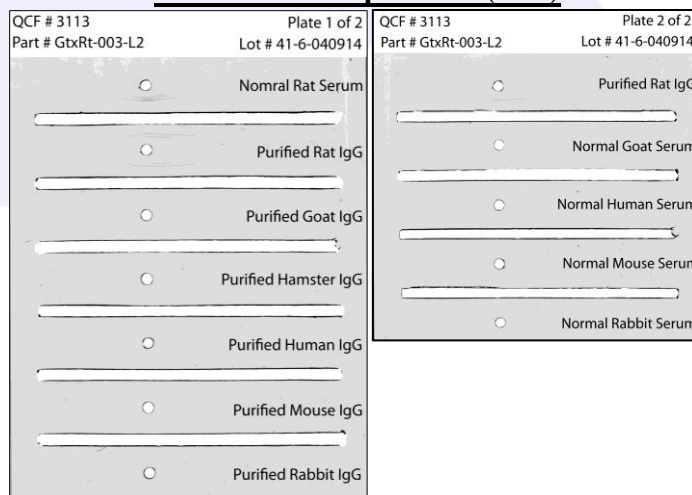
<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Pink fluorescent powder	PASS
Purity:	One predominant band at 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none"> • heavy (γ) chains on Rat IgG • light chains on all Rat immunoglobulins 	PASS PASS
Cross Reactivity:	Based on IEP, no precipitin bands are observed to: <ul style="list-style-type: none"> • non-immunoglobulin Rat serum proteins • IgG from Goat, Hamster, Human, Mouse, or Rabbit • serum from Bovine, Goat, Horse, Human, Mouse, or Rabbit 	PASS PASS PASS
FLISA:	Mean fluorescent value of 8 μ g/ml of TRITC conjugate when tested against normal Rat IgG coated at 4 μ g/ml	355 MFI's
F.I.T.:	Mean fluorescent intensity of a 1:1000 dilution at Ex-550 nm (+/-9)/Em-570 nm (+/-9)	556 MFI's

SDS-PAGE



- 1) GtxRt-003-L2, Lot # 41-6-040914
- 2) Mol Weight Standard

Immunoelectrophoresis (IEP)



Date: January 16, 2019

Signature: *[Handwritten Signature]*
Quality Control

