
Certificate of Analysis

Product: Goat anti-Human IgA (α chain), FITC Conjugate

Part Number: GtxHu-001-EFITC

Lot Number: 80-66-031021

Amount: 1.0 mg of antibody at 1.50 mg/ml ($E^{1\%}$ at 280 nm = 13.0)

Form: Clear, fluorescent yellow liquid

Fluorophore: Fluorescein-5-isothiocyanate (FITC) Ex = 494 nm; Em = 518 nm

Fluor/Protein Ratio: 9.1 Moles FITC per Mole Antibody

Purification: Antibody was affinity purified using solid phase Human IgA

Purity: Affinity purified antibody is $\geq 95\%$ based on SDS-PAGE

Host: Goat

Immunogen: Purified Human IgA, α chain

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:

- heavy (α) chains on Human IgA

Cross Reactivity: Based on IEP, no reactivity is observed to:

- light chains on Human immunoglobulins
- non-immunoglobulin Human serum proteins
- serum proteins from Bovine, Mouse, or Rabbit

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 # GtxHu-001-E, Lot #33-70-121013

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):

- 1:20 – 1:2,000 for Immunohistochemistry
- 1:50 – 1:5,000 for Immunocytochemistry

Disclaimer: *For in vitro Laboratory Use Only.* 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.

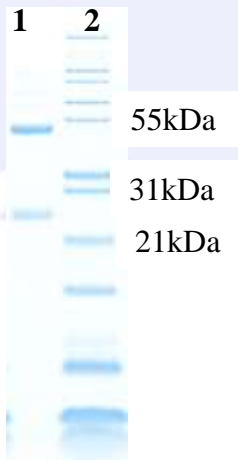
Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.

Testing Results

PRODUCT: Goat anti-Human IgA (α chain), FITC Conjugate
PART NUMBER: GtxHu-001-EFITC
LOT NUMBER: 80-66-031021

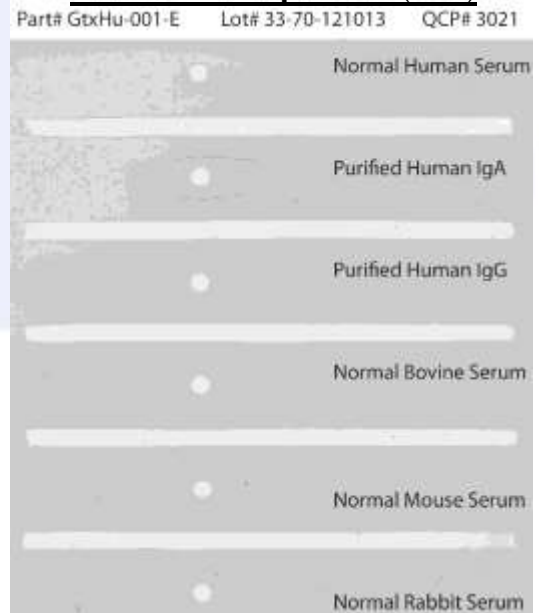
<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance	Clear, fluorescent yellow liquid	PASS
Purity	Two predominant bands at 50 and 24 kDa based on SDS-PAGE	PASS
Specificity	Based on IEP, this antibody has a precipitin band against: <ul style="list-style-type: none"> • heavy (α) chains on Human IgA 	PASS
Cross Reactivity	Based on IEP, no reactivity is observed to: <ul style="list-style-type: none"> • light chains on Human immunoglobulins • non-immunoglobulin Human serum proteins • serum proteins from Bovine, Mouse, or Rabbit 	PASS PASS PASS
FLISA:	Mean fluorescent value of 8 μ g/ml of FITC conjugate when tested against normal Human IgA coated at 4 μ g/ml	1210 MFI's

SDS-PAGE



1) GtxHu-001-E, Lot # 33-70-121013
 2) Mol Weight Standard

Immuno-electrophoresis (IEP)



Date: March 16, 2021

Signature: _____
Quality Control