
Certificate of Analysis

Product: Goat anti-Human IgG + IgA + IgM, FITC Conjugate

Part Number: GtxHu-010-DFITC

Lot Number: 61-102-071818

Amount: 2.0 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: 5.6 Moles FITC per Mole Antibody

Form: Clear, fluorescent yellow liquid

Purification: Antibody was affinity purified using solid phase Human IgG + IgA + IgM

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

Host: Goat

Immunogen: Purified Human IgG + IgA + IgM, 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:

- heavy chains on Human IgG + IgA + IgM
- light chains on all Human immunoglobulins

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

- non-immunoglobulin Human serum proteins

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-010-D, Lot # 35-61-121114.

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

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Testing Results

PRODUCT: Goat anti-Human IgG + IgA + IgM, FITC Conjugate
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<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 chains on Human IgG + IgA + IgMlight chains on all Human immunoglobulins	PASS PASS
Cross Reactivity	Based on IEP, no reactivity is observed to: <ul style="list-style-type: none">non-immunoglobulin Human serum proteins	PASS
FLISA:	Mean fluorescent value of 8 µg/ml of FITC conjugate when tested against: <ul style="list-style-type: none">normal Human IgG coated at 4 µg/mlnormal Human IgA coated at 4 µg/mlnormal Human IgM coated at 4 µg/ml	1403 MFI's 805 MFI's 673 MFI's
F.I.T.:	Mean fluorescent intensity of a 1:1000 dilution at Ex-488 nm (+/-9)/Em-518 nm (+/-9)	9934 MFI's

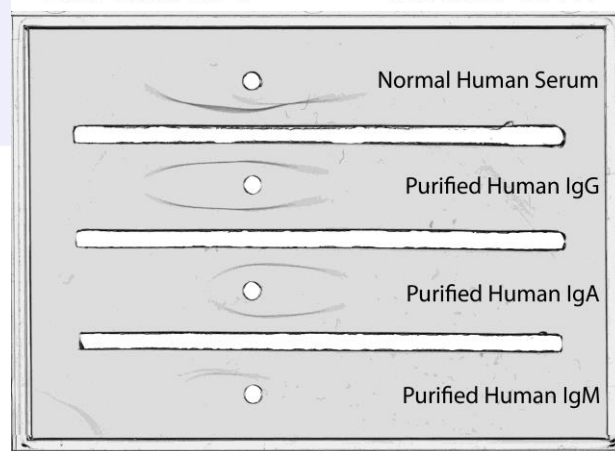
SDS-PAGE



- 1) GtxHu-010-D, Lot # 35-61-121114
2) Mol Weight Standard

Immunoelectrophoresis (IEP)

IEP Image for Goat anti-Human IgG + IgA + IgM, Affinity Pure
Part# GtxHu-010-D Lot# 35-61-121114



Date: July 26, 2018

Signature: _____


Quality Control