
Certificate of Analysis

Product: Goat anti-Human IgG Fc, DyLight® 650 Conjugate

Part Number: GtxHu-004-E650NHSX

Lot Number: 70-70-091219

Amount: 1.0 mg of lyophilized antibody ($E^{1\%}$ at 280 nm = 13.0)
(Product has been overfilled to ensure maximum recovery)

Fluorophore: DyLight® 650 (Ex = 652 nm; Em = 672 nm)

Fluor/Protein Ratio: 4.9 Moles DyLight® 650 per Mole Antibody

Purification: Antibody was affinity purified using solid phase Human IgG

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

Host: Goat

Immunogen: Purified Human IgG Fc

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 1.1 ml of deionized water. Allow solution to stand at room temperature for at least 30 minutes to dissolve. Centrifuge to remove any remaining particulates. Prepare fresh working dilution daily.

Storage: Store freeze dried powder at 2 – 8 °C.

Shelf Life: Product is stable for up to 4 weeks at 2 – 8 °C after rehydration. For extended storage after rehydration, add an equal volume of glycerol and store at - 20 °C.

Specificity: Based on IEP, this antibody reacts with:

- heavy (γ) chains on Human IgG

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

- non-immunoglobulin Human serum proteins
- light chains on all Human immunoglobulins
- Human IgG F(ab)'2 fragment
- serum proteins from Bovine, Horse, Mouse, or Rabbit

Country of Origin: Goat serum was obtained from healthy animals of US origin and under the care of a registered veterinarian.

Note: This conjugate was prepared using Part # GtxHu-004-E, Lot # 69-43-070519

Applications: This conjugate is suitable for use in: FLISA, WB, IF, IM, FACS. The optimal working dilution should be determined by the investigator. Suggested starting dilution(s):

- 1:20 – 1:2,000 for most applications

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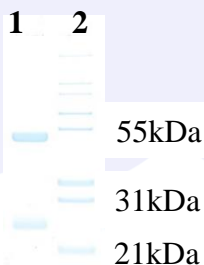
Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.

Testing Results

PRODUCT: Goat anti-Human IgG Fc, DyLight[®] 650 Conjugate
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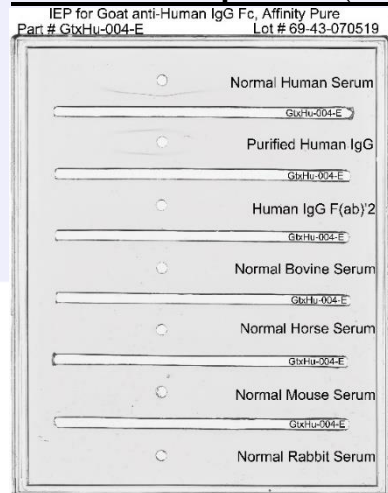
TESTS**SPECIFICATIONS****RESULTS**

Appearance:	Blue fluorescent powder	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 Human IgG	PASS
Cross Reactivity:	Based on IEP, this antibody does not have precipitin bands to: <ul style="list-style-type: none">non-immunoglobulin Human serum proteinslight chains on all Human immunoglobulinsHuman IgG F(ab)'2 fragmentserum proteins from Bovine, Horse, Mouse, or Rabbit	PASS PASS PASS PASS
FLISA:	Mean fluorescent value of 8 μ g/ml of DyLight [®] conjugate when tested against Human IgG coated at 4 μ g/ml	346 MFI's
F.I.T.:	Mean fluorescent intensity of a 1:1000 dilution at Ex-652 nm (+/-9)/Em-672 nm (+/-9)	1013 MFI's

SDS-PAGE

- 1) GtxHu-004-E, Lot # 69-43-070519
2) Mol Weight Standard

Date: September 19, 2019

Immuno-electrophoresis (IEP)

Signature: _____

Quality Control