
Certificate of Analysis

Product: Goat anti-Mouse IgG Fc, HRP Conjugate

Part Number: GtxMu-004-DHRPX

Lot Number: 66-119-121520

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

Label: Horseradish Peroxidase (HRP)

Form: Lyophilized

Purification: Affinity purified using solid phase Mouse IgG

Purity: ≥ 95 % based on SDS-PAGE

Host: Goat

Immunogen: Purified Mouse IgG Fc

Buffer: 10 mM Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 1 % (w/v) BSA, Protease/IgG free

Preservative: 0.1 % (v/v) ProClin 150 – *Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase*

Reconstitution: Rehydrate with 1.1 ml of deionized water. Allow reconstituted product to stand for at least 30 minutes at room temperature prior to dilution. If necessary, centrifuge to remove any particulates. Prepare fresh working dilution daily.

Storage: Store lyophilized material at 2-8 °C. For long term storage after reconstitution, dilute with 50 % glycerol and store at -20 °C as a liquid. 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 (γ) chains on Mouse IgG

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

- non-immunoglobulin Mouse serum proteins
- light chains on all Mouse immunoglobulins
- Mouse IgG F(ab)'2 fragment

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 # GtxMu-004-D, Lot # 47-129-122216.

Applications: This conjugate is suitable for use in: ELISA, WB, IHC, CL. The optimal working dilution should be determined by the investigator. Suggested starting dilution(s):

- 1:500-1:5,000 for Immunohistochemistry
- 1:200-1:5,000 for ELISA/Western blot

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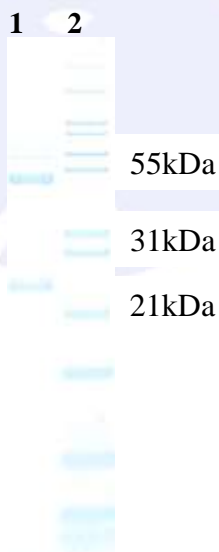
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Testing Results

PRODUCT: Goat anti-Mouse IgG Fc, HRP Conjugate
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<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Reddish 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 Mouse IgG	PASS
Cross Reactivity:	Based on IEP, no precipitin bands are observed to: <ul style="list-style-type: none">non-immunoglobulin Mouse serum proteinslight chains on all Mouse immunoglobulinsMouse IgG F(ab)'2 fragment	PASS PASS PASS
ELISA:	Dilution giving A^{450} reading of ≥ 1.0 when tested against Mouse IgG (H&L) coated at 2 $\mu\text{g/ml}$	1: 140,000

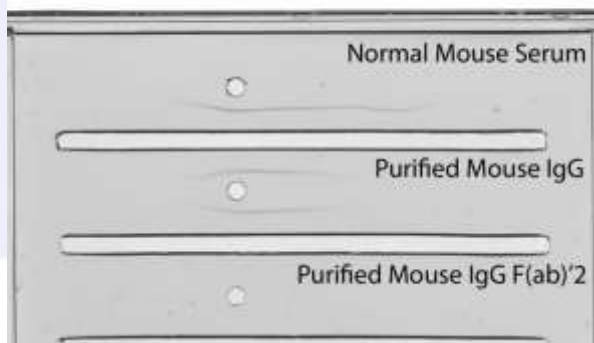
SDS-PAGE



- 1) GtxMu-004-D, Lot # 47-129-122216
2) Mol Weight Standard

Immunoelectrophoresis (IEP)

IEP Image for Goat anti-Mouse IgG Fc, Affinity Pure
Part# GtxMu-004-D Lot#47-129-122216



Date: January 5, 2021

Signature: _____

Quality Control