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Datasheet for 600-103-096

Fluorescein Antibody Peroxidase Conjugated

Overview

Description:	Anti-Fluorescein (GOAT) Antibody Peroxidase Conjugated - 600-103-096
Item No.:	600-103-096
Size:	1 mg
Applications:	Dot Blot, ELISA, WB, FISH, Multiplex
Reactivity:	Fluorescein
Host Species:	Goat

Product Details

Background:	Anti-Fluorescein Antibody is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. Anti-FITC is also suitable as a visualization reagent for fluorescein-labelled compounds (such as antibodies, lectins and peptide nucleic acid (PNA) probes).
Synonyms:	goat Anti-FITC antibody HRP conjugation, peroxidase conjugated goat anti-fluorescein antibody, peroxidase conjugated goat Anti-FITC antibody, goat anti-fluorescein antibody HRP conjugation
Host Species:	Goat
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Fluorescein
Immunogen Type:	Other
Immunogen:	Fluorescein conjugated to Goat IgG

Purity/Specificity:	Fluorescein Antibody Peroxidase Conjugated was prepared from monospecific antiserum by immunoaffinity chromatography using Fluorescein coupled to sepharose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum and Fluorescein conjugated IgG.

Application Details

Tested Applications:	Dot Blot, ELISA, WB
Suggested Applications:	FISH, Multiplex (Based on references)
Application Note:	Anti-Fluorescein Antibody Peroxidase Conjugated has been tested by ELISA, dot blot, and western blot. This product is suitable for immunoblotting (western or dot blot), ELISA, and in situ hybridization, immunoperoxidase electron microscopy and immunohistochemistry as well as other peroxidase-antibody based enzymatic assays requiring lot-to-lot consistency.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:200,000
IHC:	1:500 - 1:2,500
WB:	1:5,000 - 1:10,000

Formulation

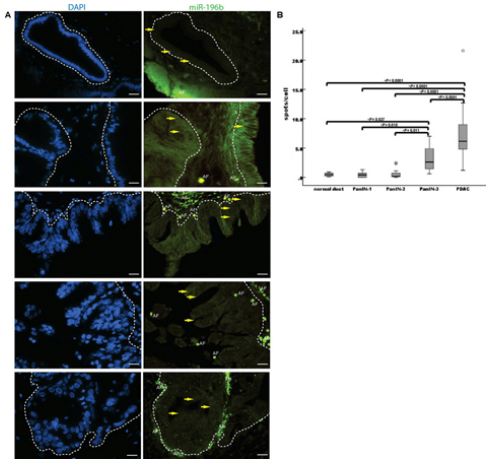
Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

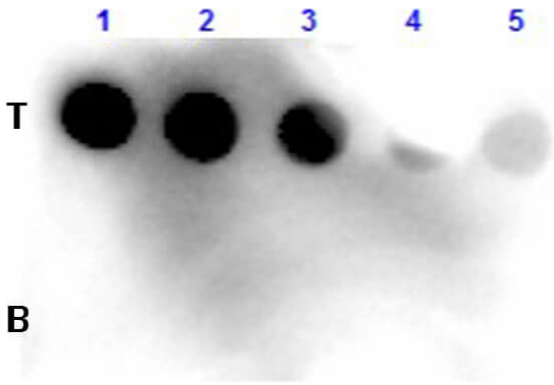
Shipping Condition:	Ambient

Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy
A, yellow arrows indicate LNA-miR-196b-FISH probe signals (green spots) for normal pancreatic ducts, PanIN-1 lesions, PanIN-2 lesions, PanIN-3 lesions, and PDAC lesions (from upper to lower, respectively), which are circled with white dashed lines. DAPI (blue) indicates nucleic acid staining. B, quantitative analysis of LNA-miR-196b-FISH probe with spots/cell in TMAs. The lower and upper borders of the boxes mark the 95% confidence interval of the mean. The center horizontal line is drawn at the sample mean. The vertical lines drawn from the boxes extend to the minimum and the maximum. AE, autofluorescence. Original magnification, 40×. Fig 3. PMID: 22114139



Dot Blot
Dot Blot Results of Goat Anti-Fluorescein Antibody Peroxidase Conjugated. Blot row top (T): FITC-BSA conjugated. Blot row bottom (B): BSA alone. Load: (1) 100ng, (2) 33.3ng, (3) 11.1ng, (4) 3.70ng, (5) 1.23ng. Primary Antibody: none. Secondary Antibody: Goat Anti-Fluorescein Antibody HRP at 1ug/mL in MB-070 1hr RT. Imaged with BioRad ChemiDoc, DyLight 549 filter.

References

- Yu, J et al. MicroRNA alterations of pancreatic intraepithelial neoplasias. *Clinical Cancer Research : An Official Journal of the American Association for Cancer Research* (2012)
- de Planell-Saguer M et al. Rapid in situ codetection of noncoding RNAs and proteins in cells and formalin-fixed paraffin-embedded tissue sections without protease treatment. *Nat Protoc.* (2010)

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