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Datasheet for 611-306-122

Rabbit IgG (H&L) Antibody Biotin Conjugated Pre-Adsorbed

Overview

Description:	Mouse Anti-Rabbit IgG (H&L) Antibody Biotin Conjugated (Min X Hu, Gt, Ms Serum Proteins) - 611-306-122
Item No.:	611-306-122
Size:	1 mg
Applications:	IF, Multiplex
Reactivity:	Rabbit
Host Species:	Mouse

Product Details

Background:	Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition.
Synonyms:	Mouse Anti-Rabbit IgG Biotin Conjugated Antibody, Mouse Anti Rabbit IgG Antibody Biotin Conjugation
Host Species:	Mouse
Specificity:	IgG (H&L)
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Rabbit
Immunogen:	Rabbit IgG whole molecule

Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rabbit IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Mouse Serum, Rabbit IgG and Rabbit Serum. No reaction was observed against Human, Goat and Mouse Serum Proteins.

Application Details

Suggested Applications:	IF, Multiplex (Based on references)
Application Note:	Mouse Anti-Rabbit IgG Biotin Conjugate has been assayed against 1.0 ug of Rabbit IgG in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:14,000 to 1:60,000 is suggested for this product.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000 - 1:100,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

Formulation

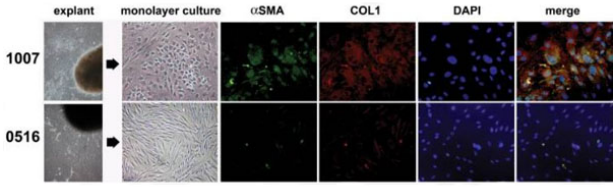
Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

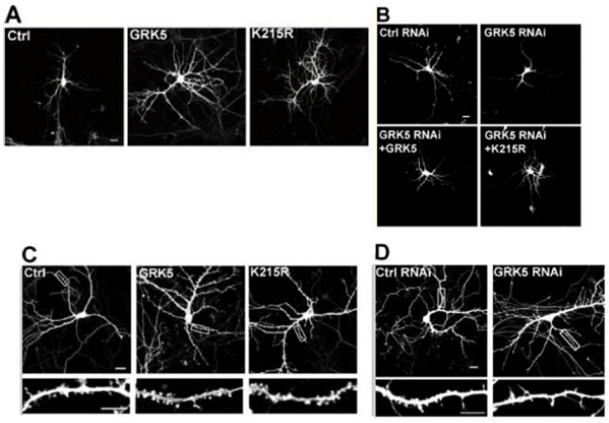
Shipping Condition:	Ambient

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



Immunohistochemistry
Mouse Anti-Rabbit IgG biotin conjugated antibody.
Peri-Urethral Prostate Tissues Exhibit Fibroblastic and Myofibroblastic Cell Populations. Peri-urethral prostate tissues from patients 1007 and 0516 were explanted and primary fibroblasts were isolated and grown to monolayer cultures. Photomicrographs demonstrate fibroblastic morphology for 0516 primary cells but mixed fibroblastic and myofibroblastic morphologies for patient 1007. Cells from both cultures were then stained for collagen 1 (COL1) (PE-cy5-conjugated Ab, red), α-smooth muscle actin (αSMA) (fluorescein-conjugated Ab, green), or the nuclei counterstained with DAPI (blue). Merged images show that primary cells from patient 1007 exhibited high levels of co-localized COL1 and αSMA protein expression (yellow) consistent with a myofibroblastic phenotype. Control mouse IgG2a and rabbit IgG biotin conjugate (p/n 611-306-122) were used at 1□2000 dilution. All images were captured at 400X in visible light on brightfield settings. Figure 1. PMID: 23173053.



Immunofluorescence Microscopy
GRK5 regulates dendritic development. (A and B) Hippocampal neuron cultures transfected at DIV5 were observed at DIV8. Total dendritic branch tip numbers (TDBTN) and total dendrite length of transfected neurons were measured. For each group, 40–60 (A) or 30–40 (B) neurons from three independent cultures were analyzed. One-way ANOVA followed by Tukey–Kramer posthoc test. (C and D) Hippocampal neurons were transfected at DIV9 and observed at DIV17. Boxed regions are enlarged below each image. For each group, 30–40 dendrites of 8–10 neurons from three independent cultures were analyzed. Protrusion and spine number were measured. (C) GFP was cotransfected with GRK5 variants to visualize dendritic spines (one-way ANOVA followed by Tukey–Kramer posthoc test). (D) Neuron cultures transfected with control or GRK5 RNAi constructs (Student's t test). Bars, 10 µm. Error bars indicate SEM. *, $P < 0.03$; **, $P < 0.01$; ***, $P < 0.001$. Ctrl, control. Figure 1. PMID: 21930777.

References

- Gharaee-Kermani M et al. CXC-type chemokines promote myofibroblast phenoconversion and prostatic fibrosis. *PLoS One.* (2012)
- Chen, Y et al. GRK5 promotes F-actin bundling and targets bundles to membrane structures to control neuronal morphogenesis. *The Journal of Cell Biology* (2011)

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