Rabbit IgG, monoclonal [EPR25A] - Isotype Control

ab172730

Recombinant RabMab®

Overview

Product name: Rabbit IgG, monoclonal [EPR25A] - Isotype Control

Tested applications: Suitable for: ICC/IF, Flow Cyt, IHC-P, CHIPseq, IP

Immunogen: Chemical/ Small Molecule conjugated to keyhole limpet haemocyanin. KLH is a copper containing oxygen carrier occurring freely dissolved in the hemolymph of many molluscs and arthropods. KLH forms a large complex composed of ~50 kDa subunits.

General notes: KLH is often used in molecular immunology as a carrier protein conjugated to low molecular weight molecules such as peptides, amino acids, nucleic acids, drugs or toxins to render them more immunogenic due to the size of the conjugate complex and the immunogenicity of KLH. Our RabMab® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMab® patents.

This product is a recombinant rabbit monoclonal antibody.

Properties

Form: Liquid


Storage buffer: pH: 7.20
Preservative: 0.01% Sodium azide
Constituents: 59% PBS, 40% Glycerol, 0.05% BSA

Purity: Protein A purified

Clonality: Monoclonal

Clone number: EPR25A

Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab172730 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<th>Application</th>
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<th>Notes</th>
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<tr>
<td>ICC/IF</td>
<td>Use at an assay dependent concentration. <strong>Please note:</strong> This product should be diluted to the same concentration (not dilution) of the primary antibody to be used.</td>
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<tr>
<td>Flow Cyt</td>
<td>Use at an assay dependent concentration. <strong>Please note:</strong> This product should be diluted to the same concentration (not dilution) of the primary antibody to be used.</td>
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<td>IHC-P</td>
<td>Use at an assay dependent concentration. <strong>Please note:</strong> This product should be diluted to the same concentration (not dilution) of the primary antibody to be used.</td>
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<td>CHIPseq</td>
<td>Use at an assay dependent concentration. PubMed: 26455392</td>
<td></td>
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<tr>
<td>IP</td>
<td>Use at an assay dependent concentration.</td>
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**Images**

Immunohistochemical analysis of paraffin-embedded human colon tissue using anti-Vimentin RabMAb ([ab92547](#), left panel) (brown) and Rabbit mAb IgG control (ab172730, right panel).

Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-Vimentin RabMAb ([ab92547](#), left panel) (brown) and Rabbit mAb IgG control (ab172730, right panel).
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon tissue with unpurified Rabbit IgG ab172730 at 1/10. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. A prediluted HRP-polymer conjugated anti-rabbit IgG was used as the secondary antibody. Counterstained with Hematoxylin.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon tissue with purified Rabbit IgG ab172730 at 1/100. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. A prediluted HRP-polymer conjugated anti-rabbit IgG was used as the secondary antibody. Counterstained with Hematoxylin.

LINE-1 ORF1p was immunoprecipitated from 0.35 mg F9 (mouse embryonal carcinoma epithelial cell) whole cell lysate with ab216324 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab216324 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (ab131366), was used for detection at 1/5000 dilution.

**Lane 1:** F9 whole cell lysate 10 µg (Input).
**Lane 2:** ab216324 IP in F9 whole cell lysate.
**Lane 3:** Rabbit monoclonal IgG (ab172730) instead of ab216324 in F9 whole cell lysate.

Blocking/Dilution buffer: 5% NFDM/TBST.
Exposure time: 30 seconds.
**Immunoprecipitation - Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730)**

- **ab124962** (purified) at 1/20 immunoprecipitating IL-1RA in NIH/3T3 whole cell lysate.
- Lane 1 (input): NIH/3T3 whole cell lysate (10µg)
- Lane 2 (+): ab124962 + NIH/3T3 whole cell lysate.
- Lane 3 (-): Rabbit monoclonal IgG (ab172730) instead of ab124962 in NIH/3T3 whole cell lysate.

For western blotting, VeriBlot for IP Detection Reagent (HRP) (ab131366), was used for detection at 1/10,000 dilution.

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.

**Flow Cytometry - Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730)**

- Overlay histogram showing A549 (human lung carcinoma) cells stained with **ab133557** (red line). The cells were fixed with 2% paraformaldehyde. The cells were then incubated with **ab133557** at 1/60 dilution. The secondary antibody used was goat anti-rabbit IgG (FITC) at 1/150 dilution. Isotype control antibody (black line) was rabbit IgG (monoclonal) (ab172730). Unlabelled control (blue line) was cells without incubation with primary antibody and secondary antibody. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 530/30 bandpass filter.

- Overlay histogram showing K562 (human chronic myelogenous leukemia) cells stained with **ab196018** (red line). The cells were fixed with 2% paraformaldehyde. The cells were then incubated with **ab196018** at 1/150 dilution. The secondary antibody used was goat anti-rabbit IgG (FITC) at 1/150 dilution. Isotype control antibody (black line) was rabbit IgG (monoclonal) (ab172730). Unlabelled control (blue line) was cells without incubation with primary antibody and secondary antibody. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 530/30 bandpass filter.
Overlay histogram showing SH-SY5Y (human neuroblastoma) cells stained with ab179513 (red line). The cells were fixed with 2% paraformaldehyde. The cells were then incubated with ab179513 at 1/150 dilution. The secondary antibody used was goat anti-rabbit IgG (FITC) at 1/150 dilution. Isotype control antibody (black line) was rabbit IgG (monoclonal) (ab172730). Unlabelled control (blue line) was cells without incubation with primary antibody and secondary antibody. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 530/30 bandpass filter.

Overlay histogram showing A549 (human lung carcinoma) cells stained with ab185633 (red line). The cells were fixed with 2% paraformaldehyde. The cells were then incubated with ab185633 at 1/150 dilution. The secondary antibody used was goat anti-rabbit IgG (FITC) at 1/150 dilution. Isotype control antibody (black line) was rabbit IgG (monoclonal) (ab172730). Unlabelled control (blue line) was cells without incubation with primary antibody and secondary antibody. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 530/30 bandpass filter.

Immunofluorescent staining of HeLa cells using anti-AIF RabMAb (ab32516, left panel) (green) and Rabbit mAb IgG control (ab172730, right panel). DAPI nuclear staining (blue).
Immunocytochemistry/immunofluorescence analysis of HeLa cells with purified Rabbit IgG ab172730 at 1/100. Cells were fixed with 4% paraformaldehyde. An Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/200) was used as the secondary antibody. Counterstained with DAPI (blue).

Immunocytochemistry/immunofluorescence analysis of HeLa cells with unpurified Rabbit IgG ab172730 at 1/10. Cells were fixed with 4% paraformaldehyde. An Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/200) was used as the secondary antibody. Counterstained with DAPI (blue).

Please note: All products are “FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES”

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