Product datasheet

Mouse IgG1, Kappa Monoclonal [B11/6] - Isotype Control ab91353

Overview

Product name
Mouse IgG1, Kappa Monoclonal [B11/6] - Isotype Control

Tested applications
Suitable for: Flow Cyt, IHC-P, IHC-Fr

Immunogen
Other Immunogen Type corresponding to Mouse. Synthetic hapten

General notes
ab91353 enables an estimation of non-specific binding of mouse monoclonal antibodies to cell surface components in peripheral blood and tissue. Suitable for whole blood, Ficoll-separated preparations, frozen and paraffin embedded sections

Properties

Form
Liquid

Storage instructions
Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

Storage buffer
pH: 7.20
Preservative: 0.09% Sodium azide
Constituent: 1% BSA

Purity
Protein G purified

Purification notes
ab91353 is purified and passed through a 0.22µm filter

Isotype control notes
ab91353 enables an estimation of non-specific binding of mouse monoclonal antibodies to cell surface components in peripheral blood and tissue. Suitable for whole blood, Ficoll-separated preparations, frozen and paraffin embedded sections

Clonality
Monoclonal

Clone number
B11/6

Isotype
IgG1

Light chain type
kappa

Applications

Our Abpromise guarantee covers the use of ab91353 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Glomerular nestin expression in experimental groups.

(A) Negative control (×200).

(C) SHADR group: Diffuse glomerular nestin expression was detected involving almost all podocytes within glomerulus. After losartan and tempol treatment, either single or in combination, kidneys restored nestin expression similar to controls (SHC group).

Immunostaining was applied on 5 μm thick paraffin sections. After deparaffinization and rehydration, the sections were treated by microwave for 20 minutes at 400 W in citrate buffer (pH 6.0). After antigen retrieval, samples were incubated for 1 hour at room temperature with primary antibody for nestin (dilution 1:100). Sections were then treated using 3-amino-9-ethylcarbazole (AEC) as substrate, and counterstained with hematoxylin. Negative controls were performed by omitting the first antibody and mouse monoclonal antibodies as isotype control mouse IgG1 (ab91353) antibody was also used.

Effects of hypoxia on mRNA expression of IGF1R and IGF1, and production of IGF1 in cancer cells.

Cell surface expression of IGF1R by FACScan analysis. IGF1R expression level of Panc-1, RWP-1, OCUP-AT, and MiaPaCa-2 cells was higher in hypoxia than that in normoxia.

Cells (2 x 10^6 cells/mL) were fixed with 2% paraformaldehyde and incubated in PBS with anti IGF1R antibody (ab16890, Abcam) or mouse IgG1- isotype control (ab91353, Abcam) for 30 minutes at 22°C. Cells were subsequently labeled with FITC-conjugated secondary antibody (1:500; ab96879, Abcam) for 30 minutes at 22°C.

The percentage of positive cells were calculated and compared with isotype-matched control-stained cells.
Overlay histogram showing HeLa (Human epithelial cell line from cervix adenocarcinoma) cells stained with ab59509 (red line).

The cells were fixed with 80% methanol (5 minutes) and incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab59509, 1 µg/1x10^6 cells) for 30 minutes at 22°C. The secondary antibody used was a goat anti-mouse DyLight® 488 (IgG, H+L) (ab96879) at 1/500 dilution for 30 minutes at 22°C.

Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (ab91353, 2 µg/1x10^6 cells) used under the same conditions.

Acquisition of >5,000 events was performed.

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

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