

Product datasheet

Rat IgG2α, kappa monoclonal [RTK2758] - Isotype Control ab18450

12 References 1 Image

Overview

| | |
|----------------------------|---|
| Product name | Rat IgG2a, kappa monoclonal [RTK2758] - Isotype Control |
| Conjugation notes | Please note that this antibody is unconjugated. |
| Tested applications | Suitable for: ICC/IF, Flow Cyt, IP, WB, IHC-P, IHC-Fr |
| Immunogen | Trinitrophenol + KLH |
| General notes | <p>ab18450 RTK2758 immunoglobulin reacts with KLH. The RTK2758 immunoglobulin was chosen as an isotype control after screening on a variety of resting, activated, live, and fixed mouse and human tissues. RTK2758 immunoglobulin is useful as an isotype-matched control in Western blotting, immunoprecipitation, immunohistochemical staining, bioassay and immunofluorescent staining (surface or intracellular) for flow cytometric analysis.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

Properties

| | |
|------------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C. Do Not Freeze. |
| Storage buffer | <p>pH: 7.20</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituent: PBS</p> <p>0.2 µm filter sterilized</p> |
| Purity | Immunogen affinity purified |
| Purification notes | The immunoglobulin was purified by affinity chromatography. |
| Isotype control notes | ab18450 RTK2758 immunoglobulin reacts with KLH. The RTK2758 immunoglobulin was chosen as an isotype control after screening on a variety of resting, activated, live, and fixed mouse and |

human tissues. RTK2758 immunoglobulin is useful as an isotype-matched control in Western blotting, immunoprecipitation, immunohistochemical staining, bioassay and immunofluorescent staining (surface or intracellular) for flow cytometric analysis.

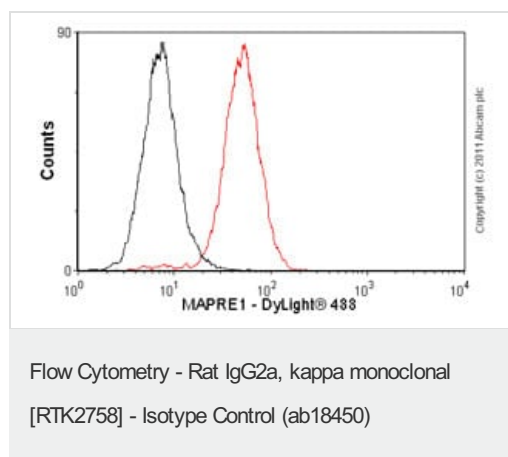
| | |
|-------------------------|------------|
| Clonality | Monoclonal |
| Clone number | RTK2758 |
| Isotype | IgG2a |
| Light chain type | kappa |

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab18450 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| ICC/IF | | Use at an assay dependent concentration. |
| Flow Cyt | | Use 2µg for 10 ⁶ cells. ab18450 is a negative isotype control. |
| IP | | Use at an assay dependent concentration. |
| WB | | Use at an assay dependent concentration. |
| IHC-P | | Use at an assay dependent concentration. |
| IHC-Fr | | Use at an assay dependent concentration. |

Images



Overlay histogram showing HeLa cells stained with [ab53358](#) (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then 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 ([ab53358](#), 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight[®] 488 goat anti-rat IgG (H+L) ([ab98386](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rat IgG2a, kappa monoclonal [aRTK2758] ([ab18450](#), 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in HeLa cells fixed with 80% methanol (5 min)/permeabilized in 0.1% PBS-Tween used under the same conditions.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors