


Product datasheet

Anti-MRP5 antibody [M5II-54] ab24107

[7 References](#) [1 Image](#)

Overview

| | |
|----------------------------|--|
| Product name | Anti-MRP5 antibody [M5II-54] |
| Description | Rat monoclonal [M5II-54] to MRP5 |
| Host species | Rat |
| Specificity | ab24107 does not cross-react with the human MDR1, MRP1, MRP2 or MRP3 gene products |
| Tested applications | Suitable for: Flow Cyt |
| Species reactivity | Reacts with: Human Predicted to work with: Mouse, Rat  |
| Immunogen | Recombinant fragment within Human MRP5 aa 700-950. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. |
| Epitope | ab24107 reacts with an internal epitope of MRP5. ab24107 does not cross-react with the human MDR1, MRP1, MRP2 or MRP3 gene products |
| General notes | <p>ab24107 has potential value for detection of MRP5-mediated drug-resistance in human tumor samples</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

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|-----------------------------|--|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. |
| Storage buffer | pH: 7.3 Preservative: 0.1% Sodium azide |

Constituent: 0.7% BSA

Serum free tissue culture supernatant

| | |
|-------------------------------|--|
| Purity | Tissue culture supernatant |
| Purification notes | Antibody containing supernatant has been concentrated and filtered through a 0.22 micron filter and is serum free. |
| Primary antibody notes | ab24107 has potential value for detection of MRP5-mediated drug-resistance in human tumor samples |
| Clonality | Monoclonal |
| Clone number | M5II-54 |
| Myeloma | Sp2/0 |
| Isotype | IgG2a |

Applications

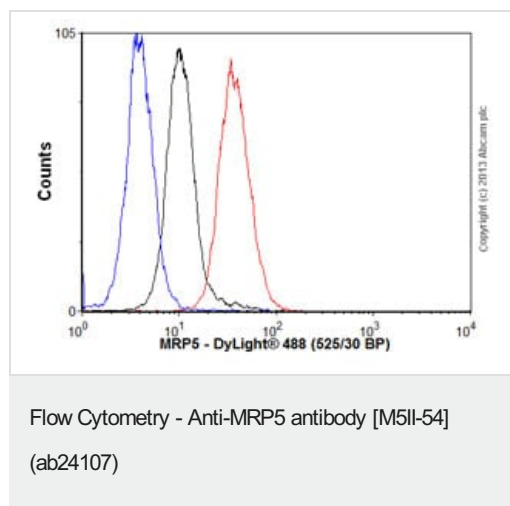
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab24107 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|--|
| Flow Cyt | | Use 1µg for 10 ⁶ cells. ab18450 - Rat monoclonal IgG2a, is suitable for use as an isotype control with this antibody. |

Target

| | |
|------------------------------|---|
| Function | Acts as a multispecific organic anion pump which can transport nucleotide analogs. |
| Sequence similarities | Belongs to the ABC transporter superfamily. ABCC family. Conjugate transporter (TC 3.A.1.208) subfamily. Contains 2 ABC transmembrane type-1 domains. Contains 2 ABC transporter domains. |
| Cellular localization | Membrane. |

Images



Overlay histogram showing Y79 cells stained with ab24107 (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 followed by the antibody (ab24107, 1 µg/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 [aRTK2758] ([ab18450](#), 1 µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter. This antibody gave a positive signal in Y79 cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

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

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