



Product datasheet

Anti-MRP1 antibody [MRPm5] ab24102

★★★★★ [3 Abreviews](#) [56 References](#)

Overview

Product name	Anti-MRP1 antibody [MRPm5]
Description	Mouse monoclonal [MRPm5] to MRP1
Host species	Mouse
Specificity	<p>MRPm5 reacts with an internal epitope of MRP1, a 180-195 kD transmembrane transporter protein overexpressed in various human non-P-glycoprotein MDR tumor cell lines.</p> <p>MRPm5 does not cross-react with the human MDR1 and MDR3 gene products.</p>
Tested applications	Suitable for: WB, ICC/IF, IHC-Fr, IHC-P, Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	<p>Recombinant fragment within Human MRP1 aa 950-1250. 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.</p> <p>Database link: P33527</p> <p> Run BLAST with  Run BLAST with</p>
Epitope	MRP1 antibody reacts with an internal epitope of MRP1.
Positive control	ICC/IF: Human ES cell derived hepatocytes.
General notes	<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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	pH: 7.3

Preservative: 0.02% Sodium azide
Constituents: 0.1% BSA, PBS

Serum free tissue culture supernatant

Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	MRPm5
Myeloma	Sp2/0
Isotype	IgG2a

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab24102 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
WB	★★★★☆ (2)	Use at an assay dependent concentration.
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval in citrate buffer (pH 6.0) for 10 minutes before commencing with IHC staining protocol.
Flow Cyt		Use at an assay dependent concentration. ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

Target

Function	Mediates export of organic anions and drugs from the cytoplasm. Mediates ATP-dependent transport of glutathione and glutathione conjugates, leukotriene C4, estradiol-17-beta-o-glucuronide, methotrexate, antiviral drugs and other xenobiotics. Confers resistance to anticancer drugs. Hydrolyzes ATP with low efficiency.
Tissue specificity	Lung, testis and peripheral blood mononuclear cells.
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	Cell membrane.

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