

Datasheet: OBT1177

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| Description: | MOUSE ANTI HUMAN CD338 |
| Specificity: | CD338 |
| Format: | S/N |
| Product Type: | Monoclonal Antibody |
| Clone: | BXP-21 |
| Isotype: | IgG2a |
| Quantity: | 1 ml |

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|--------------------------|-----|----|----------------|--------------------|
| Immunohistology - Frozen | ▪ | | | |
| Western Blotting | ▪ | | | |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

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| Target Species | Human |
| Product Form | Serum free tissue culture supernatant - liquid |
| Preservative Stabilisers | 0.02% Sodium Azide (NaN ₃) 0.1% Bovine Serum Albumin |
| Approx. Protein Concentrations | IgG concentration 0.25 mg/ml |
| Immunogen | Fusion protein consisting of the <i>E.coli</i> maltose binding protein and a 126 amino acid part of the CD338 peptide corresponding to aa 271-396 of BCRP according to Genbank accession number AF103796. HPRD:04783 |

External Database Links

UniProt:

[Q9UNQ0](https://www.uniprot.org/entry/Q9UNQ0)

[Related reagents](#)

Entrez Gene:

[9429](#) ABCG2 [Related reagents](#)

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|-----------------|------------------------|
| Synonyms | ABCP, BCRP, BCRP1, MXR |
|-----------------|------------------------|

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|-------------|-----------|
| RRID | AB_620028 |
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| Specificity | Mouse anti Human CD338, clone BXP-21 recognises an internal epitope of CD338, otherwise known as the Breast Cancer Resistance Protein (BCRP), a ~70 kDa transmembrane half transporter involved in multidrug resistance. Mouse anti Human CD338, clone BXP-21 does not cross react with human MDR1, MRP1 or MRP2 gene products. |
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|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | <ol style="list-style-type: none">1. Maliepaard, M. <i>et al.</i> (2001) Subcellular localization and distribution of the breast cancer resistance protein transporter in normal human tissues. Cancer Res. 61 (8): 3458-64.2. Scheffer, G.L. <i>et al.</i> (2000) Breast cancer resistance protein is localized at the plasma membrane in mitoxantrone- and topotecan-resistant cell lines. Cancer Res. 60 (10): 2589-93. |
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| Storage | Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. |
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| Guarantee | Guaranteed until date of expiry. Please see product label. |
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| Health And Safety Information | Material Safety Datasheet documentation #10082 available at: 10082: https://www.bio-rad-antibodies.com/uploads/MSDS/10082.pdf |
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|-------------------|----------------------------|
| Regulatory | For research purposes only |
|-------------------|----------------------------|

Related Products

Recommended Secondary Antibodies

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|-----------------------------------------|--------------------------------------------------|
| Goat Anti Mouse IgG IgA IgM (STAR87...) | Alk. Phos. , HRP |
| Goat Anti Mouse IgG (STAR77...) | HRP |
| Rabbit Anti Mouse IgG (STAR12...) | RPE |
| Rabbit Anti Mouse IgG (STAR8...) | DyLight@800 |
| Rabbit Anti Mouse IgG (STAR13...) | HRP |
| Goat Anti Mouse IgG (STAR76...) | RPE |
| Goat Anti Mouse IgG (STAR70...) | FITC |
| Goat Anti Mouse IgG (Fc) (STAR120...) | FITC , HRP |
| Human Anti Mouse IgG2a (HCA037...) | FITC , HRP |
| Rabbit Anti Mouse IgG (STAR9...) | FITC |

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),
[DyLight®800](#), [FITC](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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| North & South America | Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com | Worldwide | Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com | Europe | Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M350435:190307'

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