

Datasheet: OBT1177

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.

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 Genebank accession number AF103796. HPRD:04783
External Database Links	UniProt: Q9UNQ0 Related reagents Entrez Gene: 9429 ABCG2 Related reagents
Synonyms	ABCP, BCRP, BCRP1, MXR

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.
Molecular Weight	70kDa
References	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.
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.
Shelf Life	Please see label for expiry date
Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10082 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10082.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Human Anti Mouse IgG2a (HCA037...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC

Recommended Negative Controls

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

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