

Mouse Monoclonal Antibody to ABCG2

Catalogue Number	sAP-0566
Target Molecule	Name: ABCG2 Aliases: MRX; MXR; ABCP; BCRP; BMDP; MXR1; ABC15; BCRP1; CD338; CDw338; EST157481; MGC102821 MW: 72kDa
Description	The membrane-associated protein encoded by this gene is included in the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the White subfamily. Alternatively referred to as a breast cancer resistance protein, this protein functions as a xenobiotic transporter which may play a major role in multi-drug resistance. It likely serves as a cellular defense mechanism in response to mitoxantrone and anthracycline exposure. Significant expression of this protein has been observed in the placenta, which may suggest a potential role for this molecule in placenta tissue. Tissue specificity: Highly expressed in placenta.
Immunogen	Purified recombinant fragment of human ABCG2 expressed in E. Coli. ;
Recitative Species	Human; Mouse; Monkey
Clone	MM3G8;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Carcinogenesis. 2008 Dec;29(12):2289-97. ; 2. Pharm Res. 2009 Feb;26(2):449-58.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**