

MRP1 Conjugated Antibody

Catalog No: #C49564



Package Size: #C49564-AF350 100ul #C49564-AF405 100ul #C49564-AF488 100ul
 #C49564-AF555 100ul #C49564-AF594 100ul #C49564-AF647 100ul
 #C49564-AF680 100ul #C49564-AF750 100ul #C49564-Biotin 100ul

Orders: order@signalwayantibody.com
 Support: tech@signalwayantibody.com

Description

Product Name	MRP1 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	ABC 29 antibody ABC29 antibody ABCC 1 antibody ABCC antibody Abcc1 antibody ATP binding cassette sub family C (CFTR/MRP) member 1 antibody ATP binding cassette sub-family C member 1 antibody ATP binding cassette subfamily C member 1 antibody ATP binding cassette transporter variant ABCC1delta ex13 antibody ATP binding cassette transporter variant ABCC1delta ex13&14 antibody ATP binding cassette transporter variant ABCC1delta ex25 antibody ATP binding cassette transporter variant ABCC1delta ex25&26 antibody ATP binding cassette, sub-family C (CFTR/MRP), member 1 antibody ATP-binding cassette sub-family C member 1 antibody DKFZp686N04233 antibody DKFZp781G125 antibody GS X antibody GSX antibody Leukotriene C(4) transporter antibody LTC4 transporter antibody MRP 1 antibody MRP antibody MRP1 antibody MRP1_HUMAN antibody Multidrug resistance associated protein 1 antibody Multidrug resistance protein antibody Multidrug resistance-associated protein 1 antibody Multiple drug resistance associated protein antibody Multiple drug resistance protein 1 antibody
Accession No.	Swiss-Prot#:P33527
Uniprot	P33527
GeneID	4363;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	171 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

The two members of the large family of ABC transporters known to confer multidrug resistance in human cancer cells are the Mdr-1 P-glycoprotein and the multidrug-resistance protein MRP1. MRP1 is an integral membrane protein that contains an Mdr-like core, an N-terminal membrane-bound region and a cytoplasmic linker, and it is expressed in various cerebral cells, as well as in lung, testis and peripheral blood. The MRP gene family also includes MRP2, which is alternatively designated cMOAT (for canalicular multispecific organic anion transporter) and MRP3, which are both conjugate export pumps expressed predominantly in hepatocytes. MRP2 localizes exclusively to the apical membrane and is constitutively expressed at a high level in normal liver cells. Conversely, MRP3 localizes to the basolateral membrane where it also mediates the transport of the organic anion S-(2,4-dinitrophenyl-) glutathione toward the basolateral side of the membrane. MRP3 is normally expressed at comparatively lower levels than MRP2 and increases only when secretion across the apical membrane by MRP2 is impaired. MRP6 protein is highly expressed in liver and kidney, whereas MRP4 and MRP5 are detected in various tissues yet at much lower levels of expression.

Note: This product is for in vitro research use only