

## Recombinant P-glycoprotein / p170 / MDR1 / CD243 Antibody

Mouse Monoclonal Antibody [Clone rC219]

Catalog No	Format	Size
5243-MSM19-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5243-MSM19-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5243-MSM19-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

Clone	rC219
Immunogen	Recombinant full-length human MDR1/ABCB1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	141.48kDa
Cellular Localization	Apical cell membrane, Cell membrane, Cytoplasm
Species Reactivity	Human
Positive Control	Expressed in small intestine (PubMed:28408210)

\*Optimal dilution for a specific application should be determined.

### Product Images for Recombinant P-glycoprotein / p170 / MDR1 / CD243 Antibody

#### Specificity & Comments

Translocates drugs and phospholipids across the membrane (PubMed:2897240, PubMed:35970996, PubMed:8898203, PubMed:9038218, PubMed:35507548). Catalyzes the flop of phospholipids from the cytoplasmic to the exoplasmic leaflet of the apical membrane. Participates mainly to the flop of phosphatidylcholine, phosphatidylethanolamine, beta-D-glucosylceramides and sphingomyelins (PubMed:8898203). Energy-dependent efflux pump responsible for decreased drug accumulation in multidrug-resistant cells (PubMed:2897240, PubMed:35970996, PubMed:9038218).

#### Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

#### Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

#### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.