

Mouse anti-Human CD243, clone UIC2 (Monoclonal)

Clone no. UIC2

MONOSAN

Product name	Mouse anti-Human CD243, clone UIC2 (Monoclonal)
Host	Mouse
Applications	IHC-fr, FC, IF, IP, IHC-P
Species reactivity	human
Conjugate	-
Immunogen	Mouse Balb/c 3T3 fibroblasts transfected with human CD243 cDNA
Isotype	IgG2a
Clonality	Monoclonal
Clone number	UIC2
Size	0.2 mg
Concentration	IgG 1 mg/ml
Format	Purified
Storage buffer	PBS with <0.1% sodium azide
Storage until expiry date	aliquots -20°C. Thawed 2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

Mouse anti Human CD243, clone UIC2 recognizes an extracellular conformational epitope of CD243, also known as MDR1 (multi-drug resistance protein 1) and Pgp (P-glycoprotein), a multi pass transmembrane protein and member of the ABC transporter (ATP-binding cassette) family, containing two ABC transporter type 1 domains and two ABC transporter domains. CD243 acts as an active efflux pump for a diverse range of lipophilic compounds. CD243 is expressed at low levels in the cell membrane of peripheral blood leucocytes, and constitutively expressed on the apical plasma membrane of excretory epithelial cells of the kidney, liver, brain and small intestine. CD243 mediates resistance to many chemotherapeutic agents used for tumour suppression and is therefore of special interest to oncologists. Clone UIC2 is a strong inhibitor of CD243-mediated efflux and of the resistance of MDR cells to CD243 transported cytotoxic drugs.

References

1. Mechetner EB et al. PNAS 1992; 89: 5824-8
2. Park SW et al. Cytometry part A 2003; 53A: 67-78
3. Koziolok MJ et al. Kidney Int 2001; 60: 156-66
4. Meister S et al. Neoplasia 2010; 12: 550-61
5. Tempestili M et al. J Antimicrob Chemother 2014; 69: 1760-6

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