



Technical Data Sheet

Product **Anti-Hu CD243 Alexa Fluor® 647**  
Cat. Number/Size **A6-764-T100** **100 tests**  
**For Research Use Only.**  
**Not for use in diagnostic or therapeutic procedures.**

Antigen	CD243
Clone	UIC2
Format	Alexa Fluor® 647
Reactivity	Human
Negative species	Mouse, Rat
Application	FC (QC tested)
Application details	Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.
Excitation laser	red (633 nm)
Isotype	Mouse IgG2a kappa
Specificity	The mouse monoclonal antibody UIC2 recognizes an extracellular epitope on CD243 (MDR-1), an approximately 170 kDa ABC transporter expressed on hematopoietic stem cells, B, T, and NK cells, or on many multidrug resistant cancer cells. This antibody preferentially recognizes CD243 in the process of transporting substrate.
Other names	P-Glycoprotein, CLCS, MDR1, PGY1, ABC20, GP170, ABCB1, ABC transporter
Workshop	HLDA VII
Immunogen	NIH 3T3 cells transfected with human CD243 (MDR-1) cDNA
Entrez Gene ID	5243
Gene name	ABCB1
NCBI Full Gene Name	ATP binding cassette subfamily B member 1
UniProt ID	P08183

Preparation	Purified antibody is conjugated with Alexa Fluor® 647 NHS ester under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Formulation	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage and handling	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Images and References	<a href="http://www.exbio.cz">www.exbio.cz</a>
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