

Technical Data Sheet

Product	Anti-Hu CD43 Alexa Fluor® 488	
Cat. Number/Size	A4-220-T025	25 tests
	A4-220-T100	100 tests

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Antigen	CD43
Clone	MEM-59
Format	Alexa Fluor® 488
Reactivity	Human
Application	FC (QC tested), WB
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 ⁶ cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.
Excitation laser	blue (488 nm)
Isotype	Mouse IgG1
Specificity	The antibody MEM-59 recognizes a neuraminidase-sensitive extracellular epitope on CD43 (Leukosialin), a 95-135 kDa type I transmembrane glycoprotein (mucin-type) which is involved in lymphocyte activation. CD43 is expressed by platelets and at high levels on the surface of all leukocytes; it is negative on resting B lymphocytes and erythrocytes.
Other names	Leukosialin, Sialophorin, Galactoglycoprotein, GALGP, LSN, SPN, GALP, GP5
Workshop	HLDA IV: WS Code NL 604; HLDA V: WS Code AS S290
Immunogen	Human T lymphocytes.
Entrez Gene ID	6693
Gene name	SPN
NCBI Full Gene Name	sialophorin
UniProt ID	P16150

Preparation	Purified antibody is conjugated with Alexa Fluor® 488 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 www.exbio.cz

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