

Technical Data Sheet

Product	<b>Anti-Hu CD54 Alexa Fluor® 700</b>	
Cat. Number/Size	<b>A7-429-T025</b>	<b>25 tests</b>
	<b>A7-429-T100</b>	<b>100 tests</b>

**For Research Use Only.**

**Not for use in diagnostic or therapeutic procedures.**

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Antigen	CD54
Clone	1H4
Format	Alexa Fluor® 700
Reactivity	Human
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 IgG2b
Specificity	The antibody 1H4 recognizes an extracellular epitope of CD54 (ICAM-1), a 85-110 kDa type I transmembrane glycoprotein (receptor for rhinovirus) expressed on activated endothelial cells, T lymphocytes, B lymphocytes, monocytes, macrophages, granulocytes and dendritic cells; the expression of CD54 is upregulated by activation.
Other names	ICAM-1, BB2, P3.58
Immunogen	Raji cells and spleen cells fused with NS1 cells
Entrez Gene ID	3383
Gene name	ICAM1
NCBI Full Gene Name	intercellular adhesion molecule 1
UniProt ID	P05362

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Preparation	Purified antibody is conjugated with Alexa Fluor® 700 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.

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Images and References [www.exbio.cz](http://www.exbio.cz)

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