



Technical Data Sheet

Product	Anti-Hu CD54 Purified Azide Free	
Cat. Number/Size	10-429-C025	0.025 mg
	10-429-C100	0.1 mg
For Research Use Only.		
Not for use in diagnostic or therapeutic procedures.		
Antigen	CD54	
Clone	1H4	
Format	Purified Azide Free	
Reactivity	Human	
Application	FC (QC tested), WB, IHC-P, IHC-F, ICC	
Application details	Immunohistochemistry (frozen sections): Recommended dilution: 5-10 µg/ml. Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/ml; prolonged fixation in buffered formalin can destroy the epitope. High temperature antigen unmasking technique is required. Flow cytometry: Recommended dilution: 1-4 µg/ml. Western blotting: Recommended dilution: 1-2 µg/ml; non-reducing conditions.	
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	
Concentration	1 mg/ml	
Preparation	Purified by protein-A affinity chromatography.	
Formulation	Phosphate buffered saline (PBS), pH 7.4	
Storage and handling	Store at 2-8°C. Do not freeze.	
Images and References	www.exbio.cz	

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