

Technical Data Sheet

Product	Anti-Hu CD47 Pacific Blue™	
Cat. Number/Size	PB-225-T025	25 tests
	PB-225-T100	100 tests
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	

Antigen	CD47
Clone	MEM-122
Format	Pacific Blue™
Reactivity	Non-human primates, Human, Pig
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 ⁶ cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.
Excitation laser	violet (405 nm)
Isotype	Mouse IgM
Specificity	The antibody MEM-122 reacts with an extracellular epitope of CD47 (Integrin Associated Protein), a 50-55 kDa membrane adhesion molecule (thrombospondin receptor; immunoglobulin supergene family) expressed on leukocytes, platelets and erythrocytes. It is also expressed on epithelial cells, endothelial cells, fibroblasts and many tumor cell lines.
Other names	IAP, OA3, MER6
Workshop	HLDA VI: WS Code AS A051
Immunogen	COS-7 (African green monkey) cells
Entrez Gene ID	961
Gene name	CD47
NCBI Full Gene Name	CD47 molecule
UniProt ID	Q08722

Preparation	The purified antibody is conjugated with Pacific Blue™ under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Formulation	Stabilizing Tris buffered saline (TBS) solution with 15 mM sodium azide
Storage and handling	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.

Images and References www.exbio.cz

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