



Technical Data Sheet

Product	Anti-Hu CD3 zeta (pY72) Alexa Fluor® 488	
Cat. Number/Size	A4-712-C100	0.1 mg
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	CD3 zeta (pY72)	
Clone	EM-26	
Format	Alexa Fluor® 488	
Reactivity	Mouse, Human	
Application	FC (QC tested), ICC	
Application details	Flow cytometry: Intracellular staining; recommended dilution: 2-8 µg/ml; positive control: Jurkat cells treated with pervanadate, T-cells from lymph nodes of OT-1 mouse treated with pervanadate.	
Excitation laser	blue (488 nm)	
Isotype	Mouse IgG2b	
Specificity	The mouse monoclonal antibody EM-26 recognizes phosphorylated intracellular tyrosine 72 of CD3 zeta chain (CD247), which is a component of TCR/CD3 complex expressed on T cells.	
Other names	CD3 zeta chain, CD247, T3Z, TCRz, IMD25	
Immunogen	A phospho specific peptide corresponding to the amino acids surrounding tyrosine 72 of mouse CD3 zeta linked to KLH	
Entrez Gene ID	919	
Gene name	CD247	
NCBI Full Gene Name	CD247 molecule	
UniProt ID	P20963	
Concentration	0.1 mg/ml	
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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