

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](http://www.exbio.cz)

The product is intended For Research Use Only. Diagnostic or therapeutic applications are strictly forbidden. Products shall not be used for resale or transfer to third parties either as a stand-alone product or as a manufacture component of another product without written consent of EXBIO Praha, a.s. EXBIO Praha, a.s. will not be held responsible for patent infringement or any other violations of intellectual property rights that may occur with the use of the products. Orders for all products are accepted subject to the Term and Conditions available at [www.exbio.cz](http://www.exbio.cz). EXBIO, EXBIO Logo, and all other trademarks are property of EXBIO Praha, a.s.

Alexa Fluor®, Pacific Blue™ and Pacific Orange™ are registered trademarks of Life Technologies Corporation.

This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is conditioned on the buyer using the purchased product solely in research conducted by the buyer, excluding contract research or any fee for service research, and the buyer must not (1) use this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; or (c) manufacturing or quality assurance or quality control, and/or (2) sell or transfer this product or its components for resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or [outlicensing@lifetech.com](mailto:outlicensing@lifetech.com).