

Technical Data Sheet

Product	Anti-Hu CD40 Alexa Fluor® 488
Cat. Number/Size	A4-837-T100 100 tests
	For Research Use Only.
	Not for use in diagnostic or therapeutic procedures.

Antigen	CD40
Clone	HB14
Format	Alexa Fluor® 488
Reactivity	Non-human primates, Human
Application	ICC, FC (QC tested), IHC
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	blue (488 nm)
Isotype	Mouse IgG1 kappa
Specificity	The mouse monoclonal antibody HB14 recognizes an extracellular epitope of CD40 (BP50), a 48 kDa type I single chain transmembrane glycoprotein expressed on normal and neoplastic B cells, but not on terminally differentiated plasma cells. CD40 antigen is also present on Hodgkin's and Reed-Sternberg cells, follicular dendritic cells, some macrophages, basal epithelial cells and endothelial cells.
Other names	TNFRSF5, Bp50
Workshop	HLDA V
Immunogen	human B lymphoblastoid cell lines
Entrez Gene ID	958
Gene name	CD40
NCBI Full Gene Name	CD40 molecule
UniProt ID	P05540

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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