

Technical Data Sheet

Product	<b>Anti-Hu CD294 Alexa Fluor® 488</b>
Cat. Number/Size	<b>A4-144-T100</b> <b>100 tests</b>
	<b>For Research Use Only.</b>
	<b>Not for use in diagnostic or therapeutic procedures.</b>

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Antigen	CD294
Clone	BM16
Format	Alexa Fluor® 488
Reactivity	Human
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 <sup>6</sup> cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.
Excitation laser	blue (488 nm)
Isotype	Rat IgG2a
Specificity	The rat monoclonal antibody BM16 recognizes an extracellular epitope of CD294 / CRTH2 (prostaglandin D2 receptor 2), a G-protein-coupled seven-transmembrane protein expressed on Th2 cells, peripheral blood basophils and eosinophils.
Other names	DP2, PTGDR2, DL1R, CRTH2, GPR44
Workshop	HLDA VIII
Immunogen	Human CD294 transfected rat cell line TART/B19-12.10
Entrez Gene ID	11251
Gene name	PTGDR2
NCBI Full Gene Name	prostaglandin D2 receptor 2
UniProt ID	Q9Y5Y4

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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.

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Images and References [www.exbio.cz](http://www.exbio.cz)

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