

## ARG65823 anti-CD137 antibody [4B4-1] (low endotoxin)

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Low endotoxin Mouse Monoclonal antibody [4B4-1] recognizes CD137
Tested Reactivity	Hu
Tested Application	CyTOF®-candidate, ELISA, FACS, IP
Specificity	The monoclonal antibody recognizes CD137, an approximately 40 kDa type I transmembrane protein of the TNFR family expressed mainly on activated T cells.
Host	Mouse
Clonality	Monoclonal
Clone	4B4-1
Isotype	IgG1
Target Name	CD137
Species	Human
Immunogen	Human CD137
Conjugation	Un-conjugated
Alternate Names	ILA; CD137; T-cell antigen 4-1BB homolog; CDw137; T-cell antigen ILA; 4-1BB; CD antigen CD137; Tumor necrosis factor receptor superfamily member 9; 4-1BB ligand receptor

### Application Instructions

Application table	Application	Dilution
	CyTOF®-candidate	Assay-dependent
	ELISA	Assay-dependent
	FACS	Assay-dependent
	IP	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purification with Protein A.
Purification Note	Endotoxin level is < 0.01 EU/µg of the protein, as determined by the LAL test.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.2)

Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Database links	<a href="#">GeneID: 3604 Human</a> <a href="#">Swiss-port # Q07011 Human</a>
Gene Symbol	TNFRSF9
Gene Full Name	tumor necrosis factor receptor superfamily, member 9
Background	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contributes to the clonal expansion, survival, and development of T cells. It can also induce proliferation in peripheral monocytes, enhance T cell apoptosis induced by TCR/CD3 triggered activation, and regulate CD28 co-stimulation to promote Th1 cell responses. The expression of this receptor is induced by lymphocyte activation. TRAF adaptor proteins have been shown to bind to this receptor and transduce the signals leading to activation of NF-kappaB. [provided by RefSeq, Jul 2008]
Function	Receptor for TNFSF9/4-1BBL. Possibly active during T cell activation. [UniProt]
Highlight	Related products: <a href="#">CD137 antibodies</a> ; <a href="#">CD137 ELISA Kits</a> ; <a href="#">Anti-Mouse IgG secondary antibodies</a> ; Related news: <a href="#">CyTOF-candidate Antibodies</a>
Calculated Mw	28 kDa