9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

4 1BBR Human

4-1BB Receptor Human Recombinant
CYK0004

Product Overview

Name	4 1BBR Human
Description	
4-1BB Receptor Human Recombinant	
Accession (Primary)	Q07011
Synonyms	
Tumor necrosis factor receptor superfamily member 9, 4-1BB ligand receptor T-cell, antigen 4-1BB homolog, T-cell antigen ILA, CD137 antigen, CDw137, ILA, 4-1BB, MGC2172, 4-1BBR, TNFRSF9.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a concentrated (1mg/ml) solution in water containing no additives.	
Stability	
Lyophilized 4-1BB Receptor although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution 4-1BBR should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
The sequence of the first five N-terminal amino acids was determined and was found to be Met-Glu-Arg-Thr-Arg.	
Biological Activity	

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The activity was determined by the inhibition of 4-1BB ligand mediated stimulation of IL-8 production by human PBMC.

Results: 90% inhibition using 1 µg for both 4-1BB ligand and 4-1BB receptor.

Solubility

It is recommended to reconstitute the lyophilized 4-1BB Receptor in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

4 1BBR Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q07011)