

Rat Interleukin-17 Receptor B (IL17RB) Monoclonal Antibody | anti-IL17RB antibody

Rat anti-human Interleukin-17 Receptor B (IL17RB) monoclonal antibody

CATALOG # AAA71491	HOST Rat	APPLICATIONS ELISA, ELISA, Flow Cytometry, Functional Assay
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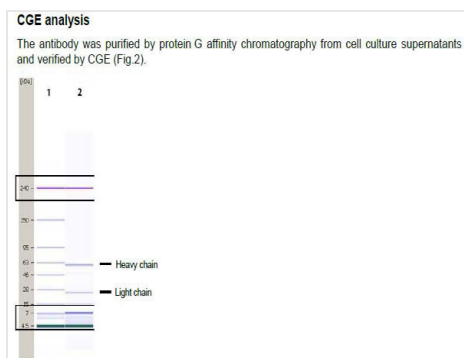
PRODUCT SYNONYMS

Interleukin-17 Receptor B (IL17RB); Monoclonal Antibody; Rat anti-human Interleukin-17 Receptor B (IL17RB) monoclonal antibody; anti-IL17RB antibody

PRODUCT SPECIFICATIONS

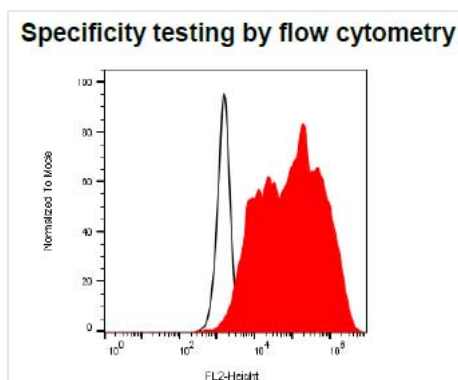
Host	Rat
Clonality	Monoclonal
Isotype	IgG2b/kappa
Clone Number	BFI-7C7
Specificity	anti-human IL17RB
Purity/Purification	Protein G
Sequence Length	502
Applicable Applications for anti-IL17RB antibody	ELISA, ELISA, FCM/FACS (Flow Cytometry)
Buffer	Phosphate buffered saline, pH 7.2
Immunogen	Genetic immunisation with cDNA encoding the extracellular domain (ecd) of human IL17RB
Selection	Based on recognition of the ecd region of IL17RB on viable, transfected mammalian cells
Preparation and Storage	Short term: 2-8°C Long term: -20°C. Avoid repeated freezing and thawing.

IMAGES



Application Data

Fig.2: CGE analysis of purified BFI-7C7 monoclonal antibody. Lane 1: molecular weight marker, Lane 2: 2 mug of purified BFI-7C7 antibody. Proteins were separated by CGE (capillary gel electrophoresis, Agilent 2100 Bioanalyzer). Internal control bands (240 kDa / 7 kDa / 4,5 kDa).



FCM/FACS (Flow Cytometry)

Fig.1: AAA71491. BOSC23 cells were transiently transfected with an expression vector encoding either the ecd of human IL17RB (filled red curve), or an irrelevant protein (control transfectant, black curve). Binding of BFI-7C7 was detected with a PEconjugated secondary antibody. A positive signal was obtained only with human IL17RB.

ADDITIONAL INFORMATION

Related Product Information for anti-IL17RB antibody	Purified monoclonal rat antibody The IL17RB protein is a cytokine receptor. This receptor specifically binds to IL17B and IL17E (IL25), but does not bind to IL17A or IL17C (1, 2). This receptor has been shown to mediate the activation of NF-kappaB and the production of IL8 induced by IL17E (3,4). The expression of the rat counterpart of this gene was found to be significantly up-regulated during intestinal inflammation, which suggested the immunoregulatory activity of this receptor. This antibody is recommended for applications under non-denaturing conditions.
References	1. Rickel EA et al. (2008). Identification of functional roles for both IL-17RB and IL-17Ra in mediating IL-25-induced activities. J. Immunol. 181(6):4299-4310. 2. Reynolds JM et al. (2015). Interleukin-17B antagonizes Interleukin-25-mediated mucosal inflammation. Immunity 42(4):692-703. 3. Maezawa Y et al. (2006). Involvement of TNF receptor-associated factor 6 in IL-25 receptor signalling. J. Immunol. 176(2):1013-1018. 4. Hata K et al. (2002). IL-17 stimulates inflammatory responses via NF-kappaB and MAP kinase pathways in human colonic myofibroblasts. Am. J. Physiol. Gastrointest. Liver Physiol. 282(6):G1035-1044.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27477074
NCBI GeneID	55540
NCBI Accession #	NP_061195.2
NCBI GenBank Nucleotide #	NM_018725.3
NCBI Official Full Name	interleukin-17 receptor B
NCBI Official Synonym Full Names	interleukin 17 receptor B
NCBI Official Symbol	IL17RB
NCBI Official Synonym Symbols	CRL4; EVI27; IL17BR; IL17RH1
NCBI Protein Information	interleukin-17 receptor B
UniProt Protein Name	Interleukin-17 receptor B
UniProt Gene Name	IL17RB
UniProt Synonym Gene Names	CRL4; EVI27; IL17BR; IL-17 receptor B; IL-17RB; IL-17Rh1; IL17Rh1; IL-17B receptor
UniProt Entry Name	I17RB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.