

Anti-IL-10R [1B1.3a] Bulk Size Ab01490-1.7-BT

This is a Fab fragment with a his-tag.

This chimeric mouse antibody was made using the variable domain sequences of the original Rat IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse Fab fragment, His-Tagged, Kappa

Clone Number: 1B1.3a

Alternative Name(s) of Target: CD210; Interleukin-10 receptor subunit; Interleukin-10 receptor subunit alpha; IL10ra IL10r; IL-10 receptor subunit alpha; IL-10R subunit alpha; IL-10RA; CDw210a; Interleukin-10 receptor subunit 1; IL-10R subunit 1; IL-10R1; IL-10RA; 1B1-3A

UniProt Accession Number of Target Protein: Q61727

Published Application(s): Blocking, FC

Published Species Reactivity: Mouse

Immunogen: This antibody was raised by immunising rats with the purified recombinant extracellular region of mouse Interleukin 10 Receptor.

Specificity: This antibody recognises mouse IL-10R which is a cell surface glycoprotein and a receptor for anti-inflammatory IL-10. The epitope recognised by this antibody has been localised to the ligand binding domain within the extracellular region of mouse IL-10R.

Application Notes: 1B1.3a has been widely applied in flow cytometric analyses where the detection of IL-10R was needed. Furthermore, this antibody was also successfully utilised as a blocking agent; one group used it to demonstrate that IL-10 mediates suppressive activity, by targeting its receptor IL-10R with this antibody (Wang et al., 2004). Castro et al. (2000) demonstrated that 1B1.3a is able to make a soluble peptide or protein antigen immunogenic for subsequent Th1 recall responses in a situation when there is an additional signal, such as LPS, activating the immune system. Consequently, this antibody is a hugely promising agent in the potential development of vaccines for immunotherapy. Similarly, Vicari and colleagues (2002) showed that this antibody has an enormous potential as a therapeutic anti-tumour agent when combined with the administration of CpG to stimulate the immune system.

Antibody First Published in: O'Farrell et al. IL-10 inhibits macrophage activation and proliferation by distinct signaling mechanisms: evidence for Stat3-dependent and -independent pathways. EMBO J. 1998 Feb 16;17(4):1006-18. [PMID:9463379](#)

Note on publication: This article describes the method of generation of antibodies like 1B1.3a.

Product Form

Size: 500 µg Purified antibody in bulk size.

Purification: Purified by Immobilized Metal Affinity Chromatography

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.