

## Anti-IL-10R [1B1.3a] Standard Size Ab01490-6.1

**Isotype and Format:** Rat IgG1, 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; IBI-3A; 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:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:**

PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. 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.