

## Biotin Anti-Mouse CD210/IL-10R Antibody[1B1.3A]

Catalog Number: E-AB-F1036B

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

<b>Reactivity</b>	Mouse
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG1, $\kappa$
<b>Clone No.</b>	1B1.3A
<b>Isotype Control</b>	Biotin Rat IgG1, $\kappa$ Isotype Control[HRPN] [Product E-AB-F09823B]
<b>Conjugation</b>	Biotin
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

### Applications

#### Recommended usage

<b>FCM</b>	Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is $\leq 1.0 \mu\text{g}$ per $10^6$ cells in 100 $\mu\text{L}$ volume or 100 $\mu\text{L}$ of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
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### Preparation & Storage

<b>Storage</b>	Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Do not freeze.
<b>Shipping</b>	Ice bag

### Antigen Information

<b>Alternate Names</b>	IL-10R subunit alpha;CD210;CDw210a;IL-10 receptor subunit alpha;IL-10R subunit 1; IL-10R1;IL-10RA;Il10ra;Interleukin-10 receptor subunit 1;Interleukin-10 receptor subunit alpha
<b>Uniprot ID</b>	Q61727
<b>Gene ID</b>	16154
<b>Background</b>	CD210 is a 90-110 kD IL-10 receptor. It is a class II cytokine receptor expressed on thymocytes, T cells, B cells, NK cells, monocytes and macrophages. Ligand binding of CD210 induces Jak1 and Tyk, resulting in STAT1 and STAT3 activation. IL-10 receptor stimulation results in the inhibition of cytokine production and the costimulation of B cell proliferation and differentiation. The only known ligand for this receptor is IL-10.

### For Research Use Only