

## Product datasheet for **SM2046A**

### **Il10ra Rat Monoclonal Antibody [Clone ID: 1B1.3a]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	1B1.3a
Applications:	FC, FN
Recommended Dilution:	<b>Functional Assays.</b> <b>Flow Cytometry:</b> Use 10 µl of 1/10-1/100 diuted antibody to label 1x 10e6 cells in 100 µl. Due to low expression of CDw210a, sensitive staining techniques may be required.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant epitope tagged extracellular region of Mouse CDw210a (SMCD210-FLAG-His6). Spleen cells from immunised Fisher rats were fused with cells of the mouse SP2/0 myeloma cell line.
Specificity:	This antibody recognises CDw210a, a cell surface glycoprotein of approximately 110KD, also known as Interleukin-10 receptor 1 (IL-10R1). The epitope recognised by this antibody has been localised to the ligand binding domain within the extracellular region of Mouse CDw210a. The specificity of this antibody has been confirmed by blocking with excess IL-10. This clone is reported to neutralize the effects of IL-10 (1). Does not react with Human.
Formulation:	PBS, pH7.4 without preservatives State: Azide Free State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.



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<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	interleukin 10 receptor, alpha
<b>Database Link:</b>	<a href="#">Entrez Gene 16154 Mouse Q61727</a>
<b>Background:</b>	<p>Interleukin 10 binds specifically and with high affinity to cell-surface receptors. Interleukin 10 receptors are members of the class II subgroup of the cytokine receptor superfamily. The IL10 receptor complex contains two distinct type II cytokine receptor subunits, the ligand binding IL10RA and the IL10RB. The coexpression of both chains is essential for IL10 induced signal transduction. The beta chain serves as an accessory chain essential for the active IL10 receptor complex and necessary for the initiation of signal transduction. Interleukin 10 receptors are expressed in all cell types that are known to respond to IL10. Mouse CDw210a is expressed by a range of cells including thymocytes, T cells, B cells and monocytes.</p>
<b>Synonyms:</b>	Interleukin-10 receptor alpha chain, IL-10R-A, IL10 Receptor alpha