Purified Anti-Mouse CD210/IL-10R Antibody[1B1.3A], Functional Grade

catalog number: E-AB-F10360

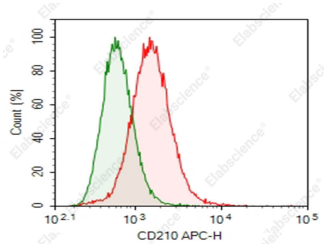
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Mouse
Immunogen	Recombinant Mouse CD210/IL-10R protein
Host	Rat
Isotype	Rat IgG1, κ
Clone	1B1.3A
Purification	>98%, Protein A/G purified
Buffer	Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method.

Applications	Recommended Dilution
FCM	≤ 0.2 μg per million cells in 100 μL volume
Block	Reported in the literature

Data



C57/BL6 Mouse splenocytes cell were stained with 0.2 μg Purified Anti-Mouse CD210 Antibody[1B1.3A](Right) and 0.2 μg Rat IgG1, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Rat IgG Secondary Antibody.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. This preparation contains no preservatives, thus it should be handled under aseptic conditions.
Shipping	Ice bag

Background

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.

None (Azide-Free,Low Endotoxin) are perfectly suited to be used in culture or in vivo (for nonhuman studies) for functional assays blocking, neutralizing, activation or depletion where the presence of azide may damage cells or exogenous endotoxin may signal or activate cells.

Application References

Mo Xu, et al. Nature. 2018 Feb 15;554(7692):373-377.

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