

10-4167: Monoclonal Antibody to IL-36R (Clone: ABM4B73)

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| Clonality : | Monoclonal |
| Clone Name : | ABM4B73 |
| Application : | FACS,WB |
| Reactivity : | Human |
| Gene : | IL1RL2 |
| Gene ID : | 8808 |
| Uniprot ID : | Q9HB29 |
| Format : | Purified |
| Alternative Name : | IL1RL2,IL1RRP2 |
| Isotype : | Mouse IgG2b, kappa |
| Immunogen Information : | A partial length recombinant IL-36R protein (amino acids 1-203) was used as the immunogen for this antibody. |

Description

IL-36R is a member of the IL-1 receptor family that has been associated with various inflammation-associated diseases. Ligands binding to IL-36R subsequently recruit the IL-1RACP (IL-1 Receptor Accessory Protein) forming a heterodimeric signaling complex. The latter is also used by IL-1Alpha and IL-1 Beta. IL-36R is expressed by different immune cells, including Dendritic Cells, microglia and other myeloid cells. IL-36 stimulation of DC leads to the production of several cytokines by DC, including TNF- α , IL-1, IL-12, and IL-23. This interaction also enhances the expression of MHC class 2 and co-stimulatory molecules.

Product Info

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| Amount : | 25 μ g / 100 μ g |
| Purification : | Protein G Chromatography |
| Content : | 25 μ g in 50 μ l/100 μ g in 200 μ l PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic. |
| Storage condition : | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

Application Note

Western blot analysis: 2-4 μ g/ml, Flowcytometric analysis: 0.5-1 μ g/10⁶ Cells

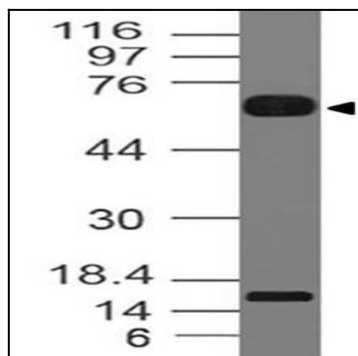


Figure-1: Western blot analysis of IL-36R. Anti-IL-36R antibody (Clone: ABM4B73) was tested at 2 $\mu\text{g/ml}$ on human Small Intestine lysate.

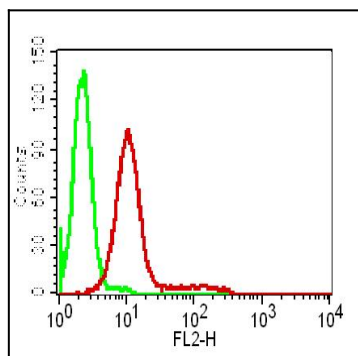


Figure-2: Intracellular Flowcytometric analysis of IL-36R in K562 cells using 0.5 $\mu\text{g}/10^6$ Cells of IL-36R antibody (Clone: ABM4B73). Green represent isotype control and red represent Anti- IL36R antibody. (ABEOMICS 10-4167). Goat Anti-Mouse PE conjugated was used as secondary antibody.