

10-4166: Monoclonal Antibody to IL-36R (Clone: ABM47A2)

Clonality :	Monoclonal
Clone Name :	ABM47A2
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-1Beta. 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-a, IL-1, IL-12, and IL-23. This interaction also enhances the expression of MHC class 2 and co-stimulatory molecules.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein G Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl 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 µg/ml, Flowcytometric analysis: 0.5-1 µg/10⁶ Cells

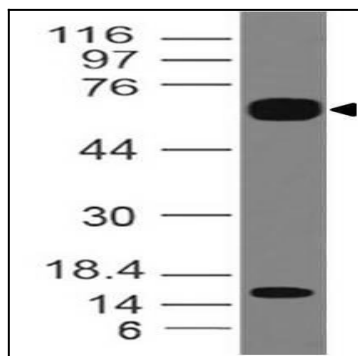


Figure-1: Western blot analysis of IL-36R. Anti-IL-36R antibody (Clone: ABM47A2) was tested at 2 $\mu\text{g/ml}$ on human Small Intestine lysate.

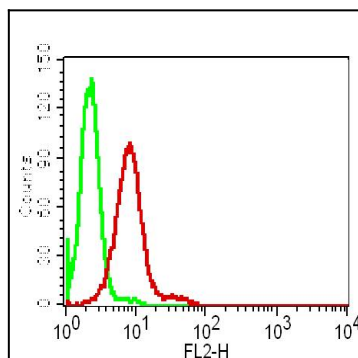


Figure-2: Intracellular Flowcytometric analysis of IL-36R in K562 cells using 0.5 $\mu\text{g}/10^6$ Cells of IL-36R antibody (Clone: ABM47A2). Green represent isotype control and red represent Anti- IL36R antibody. (ABEOMICS 10-4166). Goat Anti-Mouse PE conjugated was used as secondary antibody.