

10-4030: Monoclonal Antibody to IL-23R (Clone: ABM25G4)

Clonality :	Monoclonal
Clone Name :	ABM25G4
Application :	FACS,WB
Reactivity :	Human
Gene :	IL23R
Gene ID :	149233
Uniprot ID :	Q5VWK5
Format :	Purified
Alternative Name :	Interleukin-23 receptor, IL-23 receptor, IL-23R
Isotype :	Mouse IgG1, Kappa
Immunogen Information	A partial length recombinant protein (a.a 250-450) of IL-23R was used as the immunogen for this antibody.

Description

IL-23, a member of the IL-12 cytokine family, is composed of a p40 subunit, which is shared with IL-12, and a p19 subunit, with an approximate molecular weight of 60 kDa. IL-23 is produced by activated dendritic cells and macrophages in response to microorganisms. IL-23 promotes Th17 cells producing TNF-a, IL-17, IL-6, IL-22, GM-CSF, and other novel factors, which are associated with the induction of autoimmune inflammation. IL-23 is essential for Th17 differentiation, expansion, and survival by binding to its receptor, thereby activating the signaling pathway. Many studies revealed that the IL-23/Th17 pathway is implicated in the pathophysiology of various autoimmune diseases, such as autoimmune arthritis, primary biliary cirrhosis, and inflammatory bowel disease.

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: 1-2 µg/ml, Flowcytometric analysis: 2-4 µg/10^6 cells

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Figure-1: : Western blot analysis of IL-23R. Anti-IL-23R antibody (Clone: ABM25G4) was used at 1 μ g/ml on (1) MCF-7, (2) THP1 and (3) A431 lysates.

Figure-2: Cell surface flow analysis of Anti-IL-23R antibody in K562 cell line using 2 μ g/10^6 Cells of Anti-IL23R antibody (Clone: ABM25G4). Green represent Isotype control and red represent Anti-IL23R antibody (10-4030 Abeomics). Goat Anti-mouse PE conjugated was used as the secondary antibody.