

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ABM25G4
<b>Application :</b>	FACS,WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	IL23R
<b>Gene ID :</b>	149233
<b>Uniprot ID :</b>	Q5VWK5
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Interleukin-23 receptor, IL-23 receptor, IL-23R
<b>Isotype :</b>	Mouse IgG1, Kappa
<b>Immunogen Information :</b>	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- $\alpha$ , 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

<b>Amount :</b>	25 $\mu$ g / 100 $\mu$ g
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	25 $\mu$ g in 50 $\mu$ l/100 $\mu$ g in 200 $\mu$ l PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	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  $\mu$ g/ml, Flowcytometric analysis: 2-4  $\mu$ g/10<sup>6</sup> cells

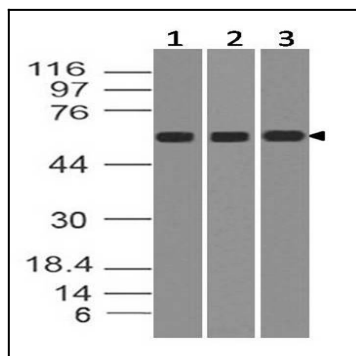


Figure-1: : Western blot analysis of IL-23R. Anti-IL-23R antibody (Clone: ABM25G4) was used at 1  $\mu\text{g}/\text{ml}$  on (1) MCF-7, (2) THP1 and (3) A431 lysates.

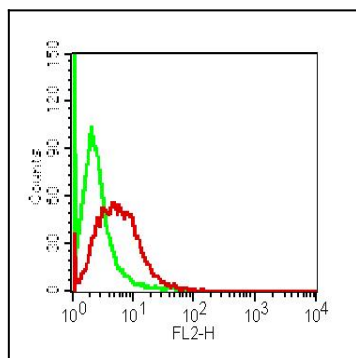


Figure-2: Cell surface flow analysis of Anti-IL23R antibody in K562 cell line using 2  $\mu\text{g}/10^6$  Cells of Anti-IL23R antibody (Clone: ABM25G4). Green represent Isotype control and red represent Anti-IL23R antibody (10-4030 Abeomics). Goat Anti-mouse PE conjugated was used as the secondary antibody.