

**Interleukin 3 Receptor Alpha (IL3RA) Antibody (PE)**

Catalogue No.: abx200491

The AC145 monoclonal antibody reacts with human IL3RA, the  $\alpha$  chain of the IL-3 receptor. This 60-70 kDa transmembrane protein binds to IL-3 with low affinity by itself, and when associated with CD131 (common  $\beta$  chain) binds IL-3 with high affinity. IL3RA is expressed by myeloid precursors, macrophages, dendritic cells, mast cells, basophils, and megakaryocytes.

**Target:** IL3RA**Reactivity:** Human**Host:** Mouse**Clonality:** Monoclonal**Tested Applications:** FCM**Recommended dilutions:** FCM: 20  $\mu$ l/1 million cells. Optimal dilutions/concentrations should be determined by the end user.**Purification:** Affinity Chromatography**Form:** Liquid**Isotype:** IgG<sub>2a</sub>**Conjugation:** PE**Specificity:** Human IL-3R $\alpha$  is the 70 kD transmembrane  $\alpha$  chain of the IL-3 receptor. Alone, CD123 binds IL-3 with low affinity; when CD123 associates with CDw131 (common  $\beta$  chain), it binds IL-3 with high affinity. CD123 does not transduce intracellular signals upon binding IL-3 and requires the  $\beta$  chain for this function. CD123 is expressed by myeloid precursors, macrophages, dendritic cells, mast cells, basophils, megakaryocytes, and some B cells. The IL-3 receptor belongs to the Ig superfamily, type 1 transmembrane glycoprotein and associates with CDw131.**Storage:** Store in the dark at 2-8 °C.**Molecular Weight:** 41 KDa**Swiss Prot:** [P26951](#)**GeneID:** [3563](#)**Buffer:** The reagent is provided in aqueous buffered solution containing protein stabilizer, and  $\leq 0.09\%$  sodium Azide

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**Note:** This product is for research use only.