

## Mouse anti-Human IL-3RA Monoclonal Antibody | anti-IL3RA antibody

Monoclonal Antibody to IL-3RA (Clone: ABM25C1)

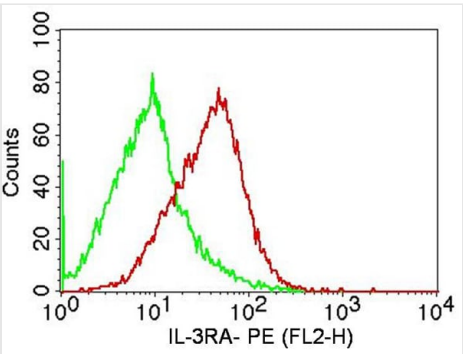
| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                   |
|-----------|-------|------------|------------------------------------------------|
| AAA78277  | Mouse | Human      | Western Blot, Flow Cytometry, Functional Assay |

### PRODUCT SYNONYMS

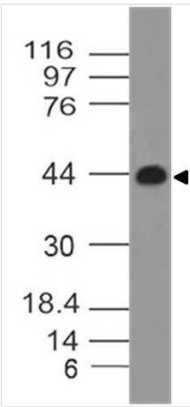
IL-3RA; Monoclonal Antibody; Monoclonal Antibody to IL-3RA (Clone: ABM25C1); Interleukin-3 receptor subunit alpha; IL-3 receptor subunit alpha; CD123; IL-3R-alpha; anti-IL3RA antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                   |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                             |
| Reactivity                                      | Human                                                                                                                                             |
| Clonality                                       | Monoclonal                                                                                                                                        |
| Isotype                                         | IgG2b Kappa                                                                                                                                       |
| Clone Number                                    | ABM25C1                                                                                                                                           |
| Purity/Purification                             | Purified<br>Protein G Chromatography                                                                                                              |
| Form/Format                                     | 25 ug in 50 ul/100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.                                    |
| Sequence Length                                 | 378                                                                                                                                               |
| Applicable Applications for anti-IL3RA antibody | WB (Western Blot), FCM/FACS (Flow Cytometry)                                                                                                      |
| Immunogen Information                           | A partial length recombinant protein (a.a 120-323) of IL-3RA was used as the immunogen for this antibody.                                         |
| Antigen                                         | IL-3RA                                                                                                                                            |
| Preparation and Storage                         | Store the antibody at 4 degree C, stable for 6 months.<br>For long-term storage, store at -20 degree C.<br>Avoid repeated freeze and thaw cycles. |



**FCM/FACS (Flow Cytometry)**  
Fig-2: Cell surface flow analysis of human IL3-RA in PBMCs (lymphocytes gated) using 0.5 ug/10<sup>6</sup> cells of antibody (Clone: ABM25C1). Green represents isotype control; red represents anti-IL3 RA antibody. Goat anti-mouse PE conjugate was used as secondary antibody. (Cells were incubated with primary antibody for 45 min. then washed twice with PBS by centrifuging at 1100 rpm for 5 min, followed by 30 min incubation with conjugated secondary antibody. Data acquisition was done after washing twice with PBS as mentioned above).



**WB (Western Blot)**  
Fig-1: Western blot analysis of IL-3RA. Anti-IL-3RA antibody (Clone: ABM25C1) was used at 6 ug/ml on hbrain lysate.

ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-IL3RA antibody</b> | Interleukin-3 receptor subunit alpha (IL-3RA) or CD123 is a high-affinity receptor for interleukin-3 (IL-3), which along with the primary signaling common Beta (Beta c) subunit (CD131) forms a heterodimer, enabling cell signaling. IL-3RA chain is a glycoprotein of 360 amino acidic residues, composed by an extracellular domain of 287 amino acid residues, involving a predicted Ig-like domain, two Fn III domains, a transmembrane domain of 30 amino acid residues and by an intracellular domain of 53 residues. It is expressed on the majority of CD34+ hemopoietic progenitors and its expression is rapidly lost during erythroid and megakaryocytic differentiation, moderately decreased during monocytic differentiation and is sustained in the granulocytic lineage. IL-3RA is also expressed in a variety of hematological neoplasms including blastic plasmacytoid dendritic cell neoplasm (BPDCN), acute myeloid leukemia (AML), acute lymphoblastic leukemia (ALL), chronic myeloid leukemia (CML), Hodgkin's lymphoma and hairy cell leukemia. |
| <b>Product Categories/Family for anti-IL3RA antibody</b>   | <a href="#">Antibodies</a> ; <a href="#">Immunology</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                         |                                                                                                                                                     |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | <a href="#">417184</a>                                                                                                                              |
| <b>NCBI GeneID</b>                      | <a href="#">3563</a>                                                                                                                                |
| <b>UniProt Accession #</b>              | <a href="#">P26951</a> ; <a href="#">Q5HYQ7</a> ; <a href="#">Q5HYQ8</a> ; <a href="#">Q9UEH7</a> ; <a href="#">A8K3F3</a> ; <a href="#">B9VI81</a> |
| <b>Molecular Weight</b>                 | 34,466 Da                                                                                                                                           |
| <b>NCBI Official Full Name</b>          | Interleukin-3 receptor subunit alpha                                                                                                                |
| <b>NCBI Official Synonym Full Names</b> | interleukin 3 receptor subunit alpha                                                                                                                |
| <b>NCBI Official Symbol</b>             | IL3RA                                                                                                                                               |
| <b>NCBI Official Synonym Symbols</b>    | IL3R; CD123; IL3RX; IL3RY; IL3RAY; hIL-3Ra                                                                                                          |
| <b>NCBI Protein Information</b>         | interleukin-3 receptor subunit alpha                                                                                                                |
| <b>UniProt Protein Name</b>             | Interleukin-3 receptor subunit alpha                                                                                                                |
| <b>UniProt Gene Name</b>                | <b>IL3RA</b>                                                                                                                                        |
| <b>UniProt Synonym Gene Names</b>       | IL3R; IL-3 receptor subunit alpha; IL-3R subunit alpha; IL-3R-alpha; IL-3RA                                                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/il-3ra-antibody-clone-abm25c1-western-blot-flow-cytometry-elisa/78277>