

Anti-CD131 Antibody

Catalog # AP95784

Product Information

Application	WB, IHC, FC
Primary Accession	P32927
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	97336

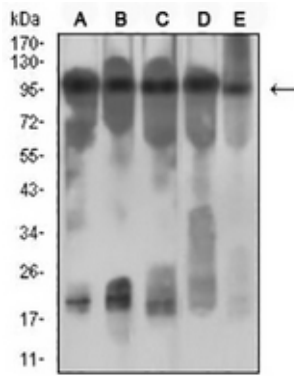
Additional Information

Gene ID	1439
Other Names	IL3RB; IL5RB; Cytokine receptor common subunit beta; CDw131; GM-CSF/IL-3/IL-5 receptor common beta subunit; CD131
Target/Specificity	Recombinant fusion protein of human CD131 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200)
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

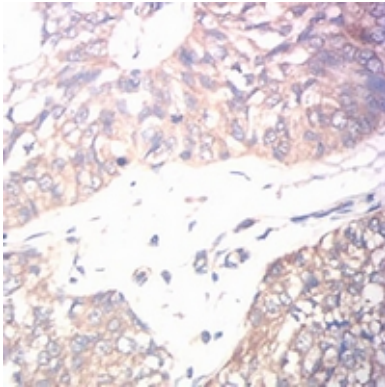
Protein Information

Name	CSF2RB
Synonyms	IL3RB, IL5RB
Function	Cell surface receptor that plays a role in immune response and controls the production and differentiation of hematopoietic progenitor cells into lineage-restricted cells. Acts by forming an heterodimeric receptor through interaction with different partners such as IL3RA, IL5RA or CSF2RA (PubMed: 1495999). In turn, participates in various signaling pathways including interleukin-3, interleukin-5 and granulocyte-macrophage colony-stimulating factor/CSF2 pathways. In unstimulated conditions, interacts constitutively with JAK1 and ligand binding leads to JAK1 stimulation and subsequent activation of the JAK- STAT pathway (PubMed: 9516124).
Cellular Location	Membrane; Single-pass type I membrane protein.

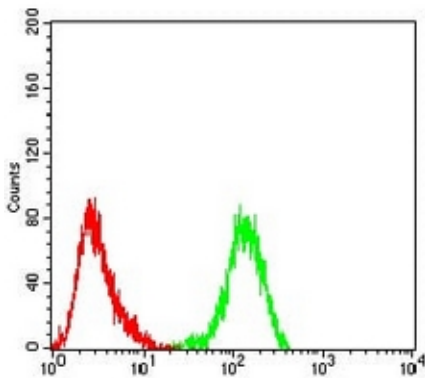
Images



Western blot analysis of CD131 expression in NIH/3T3 (A), HeLa (B), C6 (C), A549 (D), MCF7 (E) whole cell lysates. (Predicted band size: 97 kD; Observed band size: 97 kD)



Immunohistochemical analysis of CD131 staining in human bladder cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Flow cytometric analysis of HeLa cells using Anti-CD131 Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.