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**Product Name: CD131 Mouse Monoclonal Antibody****Catalog #: AMM82366**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,ELISA,FC
<b>Reactivity</b>	Human, Mouse, Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	97.3kDa

**Antigen Information**

<b>Gene Name</b>	CD131
<b>Alternative Names</b>	CSF2RB; IL3RB; IL5RB; SMDP5; CDw131; betaGMR
<b>Gene ID</b>	1439.0
<b>SwissProt ID</b>	P32927
<b>Immunogen</b>	Purified recombinant fragment of human CD131 (AA: extra 17-149) expressed in E. Coli.

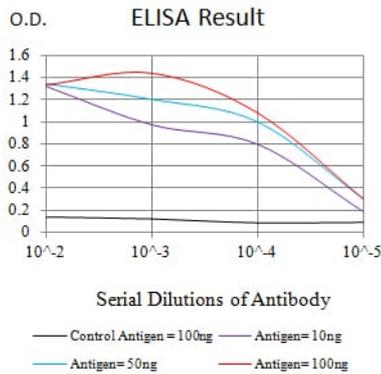
**Background**

The protein encoded by this gene is the common beta chain of the high affinity receptor for IL-3, IL-5 and CSF. Defects in this gene have been reported to be associated with protein alveolar proteinosis (PAP).

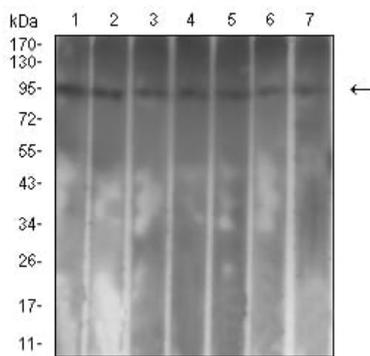
## Research Area

TGF-beta signaling pathway

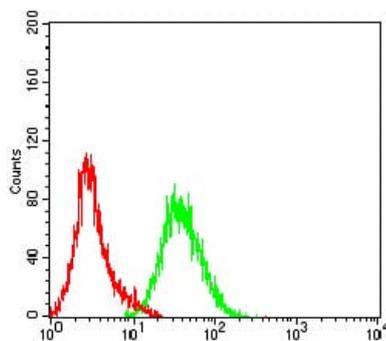
## Image Data



Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Western blot analysis using CD131 mouse mAb against NIH/3T3 (1), Hela (2), C6 (3), HL-60 (4), Jurkat (5), MCF-7 (6), and PC-12 (7) cell lysate.



Flow cytometric analysis of Hela cells using CD131 mouse mAb (green) and negative control (red).