

Product Name: CD131 Mouse Monoclonal Antibody**Catalog #: AMM82367**

For research use only.

Summary

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

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	97.3kDa

Antigen Information

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

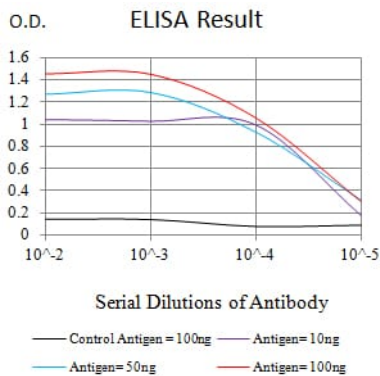
Background

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).

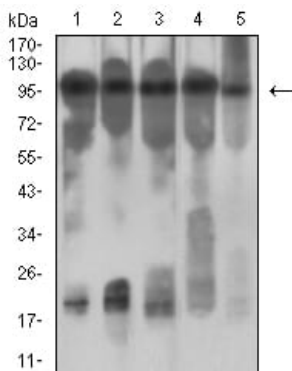
Research Area

TGF-beta signaling pathway

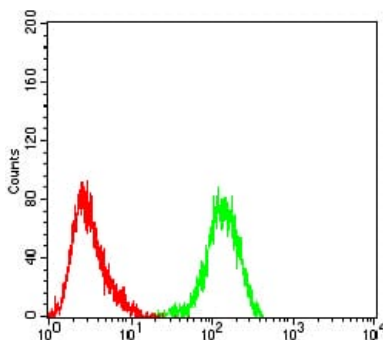
Image Data



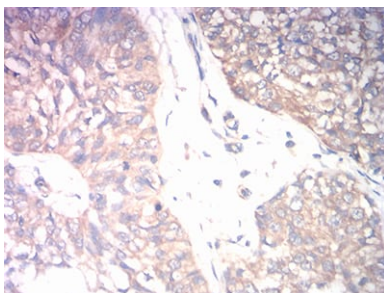
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Western blot analysis using CD131 mouse mAb against NIH/3T3 (1), HeLa (2), C6 (3), A549(4) and MCF-7 (5) cell lysate.



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



Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using CD131 mouse mAb with DAB staining.