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CD114

Purified Mouse Monoclonal Antibody
Catalog # AO2718a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	Q99062
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	8F8B12
Isotype	Mouse IgG1
Calculated MW	92156
Immunogen	Purified recombinant fragment of human CD114 (AA: extra 25-187) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	1441
Other Names	CSF3R; SCN7; GCSFR
Dilution	WB~~ 1/500 - 1/2000 IHC~~ 1/200 - 1/1000 ICC~~N/A E~~ 1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CD114 is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CSF3R
Synonyms	GCSFR
Function	Receptor for granulocyte colony-stimulating factor (CSF3), essential for granulocytic maturation. Plays a crucial role in the proliferation, differentiation and survival of cells along the neutrophilic lineage. In addition it may function in some adhesion or recognition events at the cell surface.
Cellular Location	[Isoform 2]: Secreted.

Tissue Location	One or several isoforms have been found in myelogenous leukemia cell line KG-1, leukemia U-937 cell line, in bone marrow cells, placenta, and peripheral blood granulocytes. Isoform GCSFR-2 is found only in leukemia U-937 cells. Isoform GCSFR-3 is highly expressed in placenta

References

1.Clin Cancer Res. 2016 Feb 1;22(3):757-64.2.World J Gastroenterol. 2014 Jan 28;20(4):1074-8.

Images

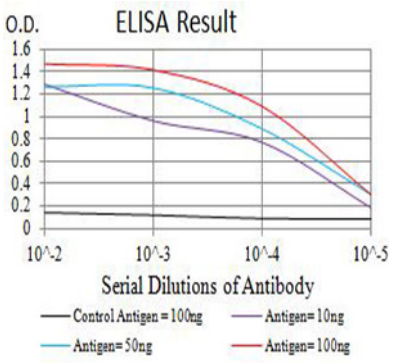


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

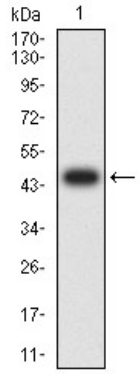


Figure 2:Western blot analysis using CD114 mAb against human CD114 (AA: extra 25-187) recombinant protein. (Expected MW is 46.5 kDa)

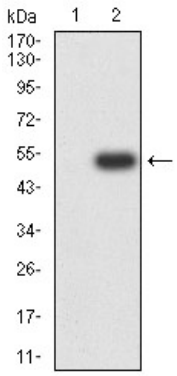
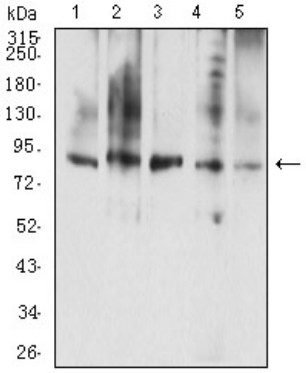


Figure 3:Western blot analysis using CD114 mAb against HEK293 (1) and CD114 (AA: extra 25-187)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 4:Western blot analysis using CD114 mouse mAb against A431 (1), K562 (2), THP-1 (3), MOLT4 (4), and Jurkat (5) cell lysate.



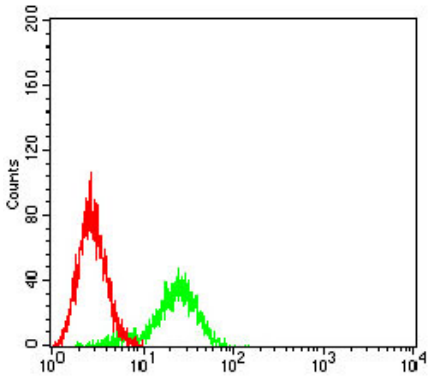


Figure 5:Flow cytometric analysis of Ramos cells using CD114 mouse mAb (green) and negative control (red).

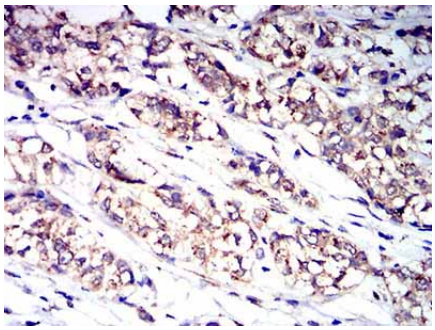


Figure 6:Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using CD114 mouse mAb with DAB staining.

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