

**CD114**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2717a****Specification**

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**CD114 - Product Information**

Application	<b>E, WB</b>
Primary Accession	<a href="#">O99062</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>Mouse IgG1</b>
Calculated MW	<b>92.2kDa KDa</b>

**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

**CD114 - Additional Information**

**Gene ID** 1441

**Other Names**

CSF3R; SCN7; GCSFR

**Dilution**

E~~ 1/10000

WB~~ 1/500 - 1/2000

**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.

**CD114 - 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

**CD114 - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CD114 - Images**

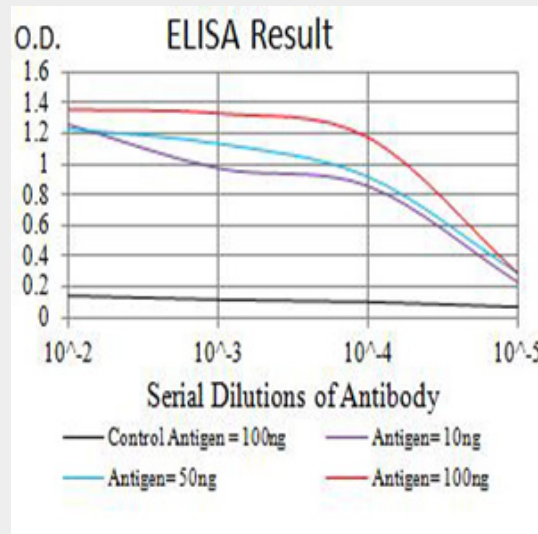


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

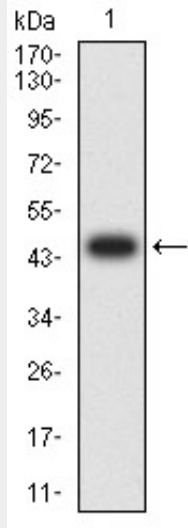


Figure 2:Western blot analysis using CD114 mAb against human CD114 (AA: extra 25-187) recombinant protein. (Expected MW is 46.5 kDa)

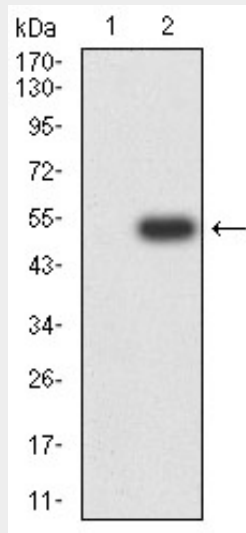


Figure 3:Western blot analysis using CD114 mAb against HEK293 (1) and CD114 (AA: extra 25-187)-hlgGfc transfected HEK293 (2) cell lysate.

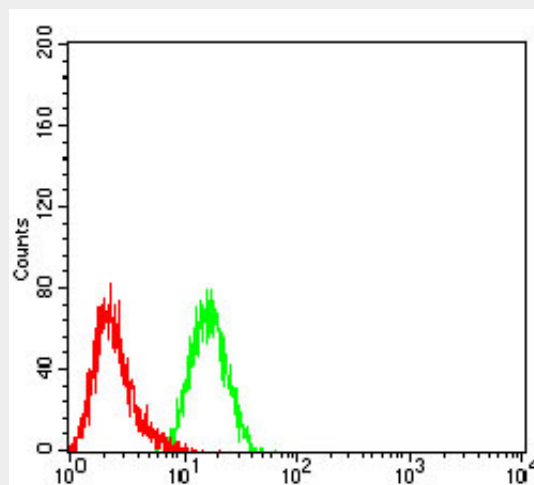


Figure 4:Flow cytometric analysis of K562 cells using CD114 mouse mAb (green) and negative

control (red).

**CD114 - References**

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