

Mouse anti-Human CD116 Monoclonal Antibody | anti-CD116 antibody

Anti-Hu CD116 PE

CATALOG # AAA128358	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD116; Monoclonal Antibody; Anti-Hu CD116 PE; colony stimulating factor 2 receptor alpha subunit; CSF2RA; GMR; CSF2R; SMDP4; GMCSFR; GM-CSF receptor alpha; anti-CD116 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	4H1
Specificity	The mouse monoclonal antibody 4H1 recognizes an extracellular epitope of human CD116, the GM-CSF receptor alpha subunit (approx. 80 kDa) expressed e.g. by neutrophils, eosinophils, monocytes and macrophages.
Purity/Purification	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Sequence Length	400
Applicable Applications for anti-CD116 antibody	FCM/FACS (Flow Cytometry)
Immunogen	CD116-transfected COS cells
Conjugation	PE
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-CD116 antibody	CD116 (GM-CSF R alpha) is the low affinity receptor for granulocyte-macrophage colony-stimulating factor (GM-CSF). CD116 heterodimerizes with CD131, the common beta chain subunit shared with IL-3 and IL5 receptors, to form the high affinity GM-CSF receptor. CD116 is expressed by myeloid cells including macrophages, neutrophils, eosinophils, dendritic cells, and their precursors, as well as on endothelial cells. It is being used as a specific marker of myeloid leukemias.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	238908515
NCBI GeneID	1438
NCBI Accession #	NP_001155001.1
NCBI GenBank Nucleotide #	NP_001155001.1

UniProt Accession #	P15509
NCBI Official Full Name	granulocyte-macrophage colony-stimulating factor receptor subunit alpha isoform a
NCBI Official Synonym Full Names	colony stimulating factor 2 receptor subunit alpha
NCBI Official Symbol	CSF2RA
NCBI Official Synonym Symbols	GMR; CD116; CSF2R; SMDP4; CDw116; CSF2RX; CSF2RY; GMCSFR; CSF2RAX; CSF2RAY; alphaGMR; GMR-alpha; GMCSFR-alpha; GM-CSF-R-alpha
NCBI Protein Information	granulocyte-macrophage colony-stimulating factor receptor subunit alpha
UniProt Protein Name	Granulocyte-macrophage colony-stimulating factor receptor subunit alpha
UniProt Gene Name	CSF2RA
UniProt Synonym Gene Names	CSF2R; CSF2RY; GM-CSF-R-alpha; GMCSFR-alpha; GMR-alpha
UniProt Entry Name	CSF2R_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd116-antibody-clone-4h1-flow-cytometry-elisa/128358>