

Rabbit anti-human Granulocyte-macrophage colony-stimulating factor receptor subunit alpha polyclonal Antibody



Catalog Number: CSB-PA006046GA01HU

Synonym Names	GM-CSF-R-alpha, GMCSFR-alpha, GMR-alpha, CDw116, CD116, CSF2R, CSF2RY, CSF2RA
Product type	Primary antibodies
Description	Rabbit polyclonal to CSF2RA
Reacts with	Human; Other species are not tested. Please decide the specificity by homology
Clonality	Polyclonal
Isotype	IgG
Purity	Antigen Affinity Purified
Conjugate	Non-conjugated
Storage buffer	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Storage	Shipped at 4°C Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze.
Form	Liquid
Raised in	Rabbit
Tested applications	ELISA: Use at an assay dependent dilution. WB: 1:200-2000, Predicted molecular weight: 47kDa, Observed molecular weight: 48kDa. IHC: 1:20-1:200. (Recommender dilutions)
Positive WB detected In	HepG2 cells, human placenta tissue
Positive IHC detected In	Human placenta
Relevance	CD116, also named as CSF2RA CDw116 CSF2RAX CSF2RAY CSF2RX CSF2RY GM-CSF-R-alpha GMCSFR and GMR, is a low affinity receptor for granulocyte-macrophage colony-stimulating factor. CD116 transduces a signal that results in the proliferation, differentiation, and functional activation of hematopoietic cells. Low affinity receptor for granulocyte-macrophage colony-stimulating factor. Transduces a signal that results in the proliferation, differentiation, and functional activation of hematopoietic cells.
References	[1] "Expression cloning of a receptor for human granulocyte-macrophage colony-stimulating factor." Gearing D.P., King J.A., Gough N.M., Nicola N.A. EMBO J. 8:3667-3676(1989). [2] "Discovery and characterization of a novel splice variant of the GM-CSF receptor alpha subunit." Pelley J.L., Nicholls C.D., Beattie T.L., Brown C.B. Exp. Hematol. 35:1483-1494(2007). [3] "Pulmonary alveolar proteinosis caused by deletion of the GM-CSFRalpha gene in the X chromosome pseudoautosomal region 1." Martinez-Moczygemba M., Doan M.L., Elidemir O., Fan L.L., Cheung S.W., Lei J.T., Moore J.P., Tavana G., Lewis L.R., Zhu Y., Muzny D.M., Gibbs R.A., Huston D.P. J. Exp. Med. 205:2711-2716(2008). [4] "The structure of the GM-CSF receptor complex reveals a distinct mode of cytokine receptor activation." Hansen G., Hercus T.R., McClure B.J., Stomski F.C., Dottore M., Powell J., Ramshaw H., Woodcock J.M., Xu Y., Guthridge M., McKinstry W.J., Lopez A.F., Parker M.W. Cell 134:496-507(2008).