

For Research Use Only

CSF2RA/CD116 Recombinant antibody

Catalog Number: 84023-1-RR



Basic Information

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| Catalog Number: 84023-1-RR | GenBank Accession Number: BC002635 | Purification Method: Protein A purification |
| Size: 1000 ug/ml | GeneID (NCBI): 1438 | CloneNo.: 241266A9 |
| Source: Rabbit | UNIPROT ID: P15509 | Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000 IF/ICC 1:125-1:500 |
| Isotype: IgG | Full Name: colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte- macrophage) | |
| | Calculated MW: 46 kDa | |
| | Observed MW: 60-70 kDa | |

Applications

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| Tested Applications: WB, IHC, IF/ICC, ELISA | Positive Controls: WB: THP-1 cells, HL-60 cells, U-937 cells, human placenta tissue |
| Species Specificity: human | IHC: human placenta tissue, IF/ICC: THP-1 cells, |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | |

Background Information

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.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

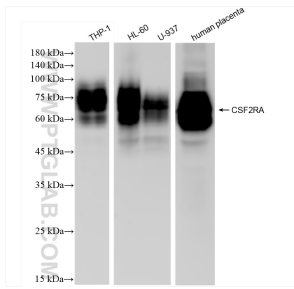
T: 4006900926

E: Proteintech-CN@ptglab.com

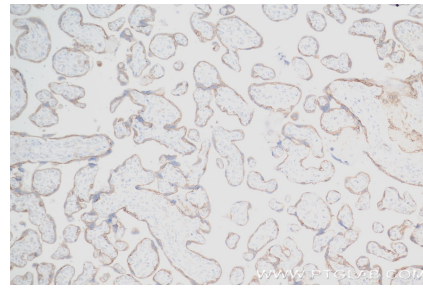
W: ptgcn.com

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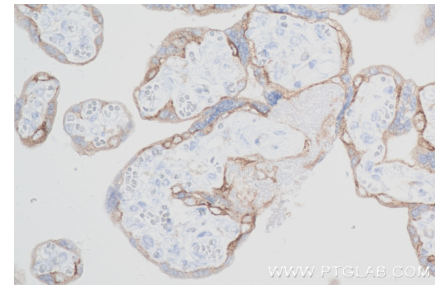
Selected Validation Data



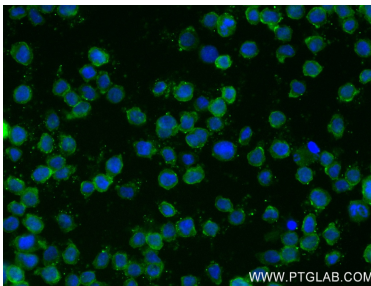
Various lysates were subjected to SDS PAGE followed by western blot with 84023-1-RR (CSF2RA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



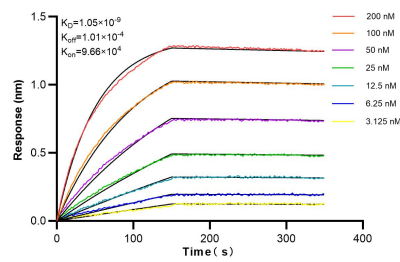
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 84023-1-RR (CSF2RA antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 84023-1-RR (CSF2RA antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using CSF2RA antibody (84023-1-RR, Clone: 241266A9) at dilution of 1:250 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84023-1-RR against Human CSF2RA/CD116 were performed. The affinity constant is 1.05 nM.