

## CSF2Rb/CD131 recombinant antibody

Anti-CSF2Rb/CD131 Reference Antibody (CSL311)

| CATALOG # | HOST     | REACTIVITY | APPLICATIONS                                              |
|-----------|----------|------------|-----------------------------------------------------------|
| AAA29394  | CHO Cell | Human      | ELISA, Flow Cytometry, Functional Assay, Functional Assay |

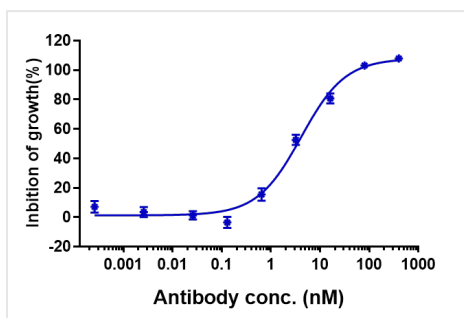
### PRODUCT SYNONYMS

CSF2Rb/CD131; Monoclonal Recombinant Antibody; Anti-CSF2Rb/CD131 Reference Antibody (CSL311); CSF2Rb/CD131 recombinant antibody

### PRODUCT SPECIFICATIONS

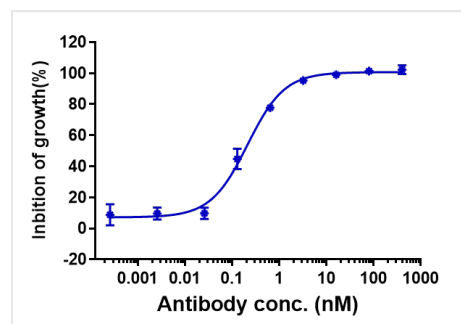
|                                                               |                                                                                                                                                  |
|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                          | CHO Cell                                                                                                                                         |
| Reactivity                                                    | Human                                                                                                                                            |
| Clonality                                                     | Monoclonal                                                                                                                                       |
| Isotype                                                       | IgG4                                                                                                                                             |
| Specificity                                                   | CSF2Rb/CD131                                                                                                                                     |
| Form/Format                                                   | Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.                 |
| Concentration                                                 | 1mg/ml (varies by lot)                                                                                                                           |
| Applicable Applications for CSF2Rb/CD131 recombinant antibody | ELISA, FCM/FACS (Flow Cytometry), FA (Functional Assay), Animal Model                                                                            |
| Endotoxin                                                     | < 0.001EU/ug, determined by LAL method.                                                                                                          |
| Conjugation                                                   | Unconjugated                                                                                                                                     |
| Dry Ice Note                                                  | The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.                                               |
| Preparation and Storage                                       | Store at -80 degree C for 2 years under sterile conditions; -20 degree C for 1 year under sterile conditions; Avoid repeated freeze-thaw cycles. |

### IMAGES



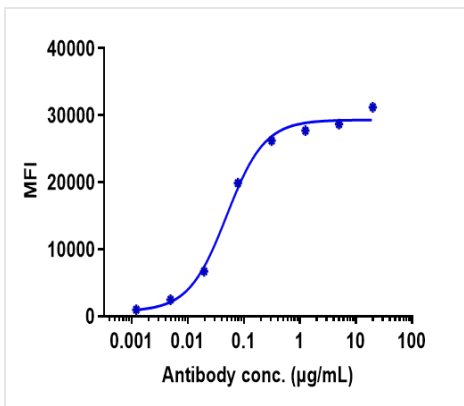
#### Application Data

GM-CSF-mediated proliferation of TF-1 can be completely blocked by antibodies with an IC50 of 4.105 nM.



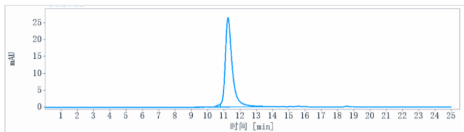
#### Application Data

IL-3-mediated proliferation of TF-1 can be completely blocked by antibodies with an IC50 of 0.2109 nM.



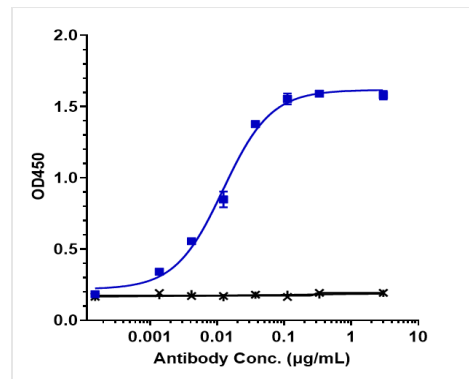
#### FCM (Flow Cytometry)

Human CSF2RB HEK293 cells were stained with Anti-CSF2Rb / CD131 Reference Antibody (CSL311) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC114=0.049 ug/mL



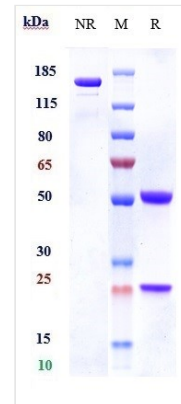
#### Application Data

The purity of Anti-CSF2Rb / CD131 Reference Antibody (CSL311) is more than 98.34%, determined by SEC-HPLC.



#### Application Data

Immobilized human CSF2RB His at 2 ug/mL can bind Anti-CSF2Rb / CD131 Reference Antibody (CSL311), EC50=0.0122ug/mL



#### SDS-PAGE

Anti-CSF2Rb / CD131 Reference Antibody (CSL311) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%

## ADDITIONAL INFORMATION

|                                                                 |                    |
|-----------------------------------------------------------------|--------------------|
| Product Categories/Family for CSF2Rb/CD131 recombinant antibody | Primary Antibodies |
|-----------------------------------------------------------------|--------------------|

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------|
| NCBI GI #                        | 4559408                                                                           |
| NCBI GeneID                      | 1439                                                                              |
| NCBI Accession #                 | NP_000386.1                                                                       |
| NCBI GenBank Nucleotide #        | NM_000395.2                                                                       |
| UniProt Accession #              | P32927; Q5JZ11; Q6ICE0                                                            |
| Molecular Weight                 | 97,336 Da                                                                         |
| NCBI Official Full Name          | cytokine receptor common subunit beta                                             |
| NCBI Official Synonym Full Names | colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage) |
| NCBI Official Symbol             | CSF2RB                                                                            |
| NCBI Official Synonym Symbols    | CD131; IL3RB; IL5RB; SMDP5; CDw131                                                |

|                                   |                                                                                                                                                                                                                                                                 |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI Protein Information</b>   | cytokine receptor common subunit beta; GM-CSF/IL-3/IL-5 receptor common beta-chain; GM-CSF/IL-3/IL-5 receptor common beta subunit; colony-stimulating factor-2 receptor, beta, low-affinity; interleukin 3 receptor/granulocyte-macrophage colony stimulating f |
| <b>UniProt Protein Name</b>       | Cytokine receptor common subunit beta                                                                                                                                                                                                                           |
| <b>UniProt Gene Name</b>          | <b>CSF2RB</b>                                                                                                                                                                                                                                                   |
| <b>UniProt Synonym Gene Names</b> | IL3RB; IL5RB                                                                                                                                                                                                                                                    |
| <b>UniProt Entry Name</b>         | IL3RB_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://stage.aaabiotech.com/monoclonal/csf2rb-cd131-recombinant-antibody-flow-cytometry-functional-assay-elisa/29394>