Datasheet for ABIN3030557
anti-CSF1R antibody (AA 940-971)

### Overview

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity</td>
<td>0.4 mL</td>
</tr>
<tr>
<td>Target</td>
<td>CSF1R</td>
</tr>
<tr>
<td>Binding Specificity</td>
<td>AA 940-971</td>
</tr>
<tr>
<td>Reactivity</td>
<td>Human</td>
</tr>
<tr>
<td>Host</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Conjugate</td>
<td>This CSF1R antibody is un-conjugated</td>
</tr>
<tr>
<td>Application</td>
<td>Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)</td>
</tr>
</tbody>
</table>

### Product Details

**Immunogen:** A portion of amino acids 940-971 from the human protein was used as the immunogen for this CSF1R antibody.

**Isotype:** Ig Fraction

**Purification:** Purified

### Target Details

**Target:** CSF1R

**Alternative Name:** CSF1R ([CSF1R Products](#))

**Background:** CSF1R is the receptor for colony stimulating factor 1, a cytokine which controls the production, differentiation, and function of macrophages. This receptor mediates most if not all of the biological effects of this cytokine. Ligand binding activates the receptor kinase through a
Target Details

process of oligomerization and transphosphorylation. This protein is a tyrosine kinase transmembrane receptor and member of the CSF1/PDGF receptor family of tyrosine-protein kinases. Mutations in the gene encoding CSF1R have been associated with a predisposition to myeloid malignancy.

UniProt: P07333

Pathways: RTK Signaling, Inositol Metabolic Process, Cell-Cell Junction Organization

Application Details

Application Notes: Titration of the CSF1R antibody may be required due to differences in protocols and secondary/substrate sensitivity. Western blot: 1:1000, Flow Cytometry: 1:10-1:50, IHC (Paraffin): 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Aliquot the CSF1R antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.
Flow Cytometry

**Image 1.** CSF1R antibody flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Immunohistochemistry

**Image 2.** IHC analysis of FFPE human lung carcinoma tissue stained with CSF1R antibody

Western Blotting

**Image 3.** Western blot analysis of CSF1R antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CSF1R gene (2).

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN3030557.