

## Product Datasheet

# Recombinant GCSF Antibody / Granulocyte-Colony Stimulating Factor (orb639638)

<b>Catalog Number</b>	orb639638
<b>Category</b>	Antibodies
<b>Description</b>	<p>This MAb recognizes granulocyte-colony stimulating factor (G-CSF) in the cytoplasm of mature granulocytes. It shows no reactivity with any other cell types. Markers of myeloid cells are useful in the identification of different levels of cellular differentiation. It reacts with early precursor and mature forms of myeloid cells. It is useful for the detection of myeloid leukemias and granulocytic sarcomas. It can be used as a marker of granulocytes in normal tissues or inflammatory processes. G-CSF is a pleiotropic cytokine that influences differentiation, proliferation and activation of the neutrophilic granulocyte lineage. The human G-CSF cDNA encodes a 207 amino acid precursor containing a 29 amino acid signal peptide that is proteolytically cleaved to form a 178 amino acid residue mature protein. Two G-CSF s, which are identical except for a three amino acid deletion in the amino-terminus of one form of the protein have been isolated from human cells.</p>
<b>Clonality</b>	Recombinant
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Buffer/Preservatives</b>	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
<b>Purification</b>	Protein A affinity chromatography

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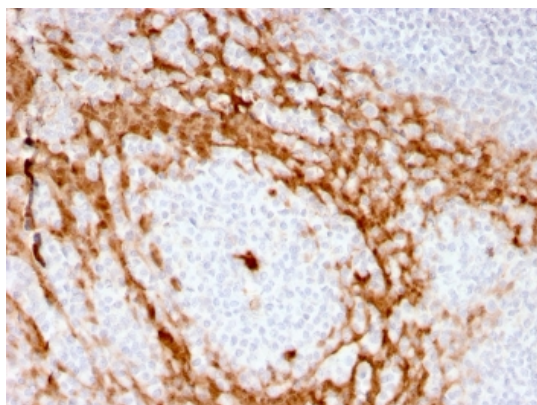
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<b>Immunogen</b>	A recombinant full-length human CSF3 protein was used as the immunogen for the recombinant GCSF antibody.
<b>UniProt ID</b>	<b>P09919</b>
<b>Tested applications</b>	IHC-P
<b>Dilution range</b>	Immunohistochemistry (FFPE): 1-2ug/ml
<b>Application notes</b>	Optimal dilution of the recombinant GCSF antibody should be determined by the researcher.
<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	CSF3/3166R
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



IHC staining of FFPE human tonsil with recombinant GCSF antibody (clone CSF3/3166R). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.

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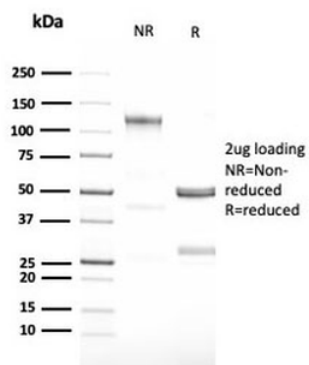
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SDS-PAGE analysis of purified, BSA-free recombinant GCSF antibody (clone CSF3/3166R) as confirmation of integrity and purity.

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