

Product datasheet for **TA388903**

CSF3 Mouse Monoclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Sandwich ELISA: In a sandwich ELISA (assuming 100ul/well), a concentration of 2.0-4.0 µg/ml of this antibody will detect at least 100pg/ml of Recombinant Human G-CSF when used with ProSci's Biotinylated Antigen Affinity Purified anti-Human G-CSF as the detection antibody, at a concentration of approximately 0.5- 1.0 µg/ml. Western Blot To detect Human G-CSF by Western Blot analysis, this antibody can be used at a concentration of 0.20-0.40 µg/ml. When used in conjunction with compatible secondary reagents the detection limit for Recombinant Human G-CSF is 1.5-2.0 ng/lane under non-reducing conditions, and 7.5-10.0 ng/lane under reducing conditions.
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	Produced in BALB/c mice immunized with highly pure Recombinant Human G-CSF. Anti-Human G-CSF-specific antibody was purified from cell culture by Protein A affinity chromatography.
Concentration:	lot specific
Purification:	G-CSF-specific antibody was purified from cell culture by Protein A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Database Link:	P09919



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Background:

G-CSF is a hematopoietic growth factor that stimulates the development of committed progenitor cells to neutrophils and enhances the functional activities of the mature end-cell. It is produced in response to specific stimulation by a variety of cells, including macrophages, fibroblasts, endothelial cells and bone marrow stroma. G-CSF is being used clinically to facilitate hematopoietic recovery after bone marrow transplantation. Human and murine G-CSF are cross-species reactive. Recombinant Human G-CSF is an 18.7 kDa protein consisting of 174 amino acid residues.