

Product datasheet for **DM1055**

GCSF Receptor (CSF3R) Mouse Monoclonal Antibody [Clone ID: S-1284]

Product data:

Product Type:	Primary Antibodies
Clone Name:	S-1284
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Immunoblotting: Recognizes denatured G-CSFR following SDS-PAGE and blotting of 200 µg of cell lysate or following immunoprecipitation with polyclonal antibody followed by immunoblotting. Western Blot: At an antibody concentration of 1-10 µg/mL will allow visualization of 250 ng/lane of human G-CSFR-MBP.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Purified recombinant MBP-GCSFR fusion protein
Specificity:	This antibody detects G-CSFR (CD114). Does not cross-react with MBP or BSA (bovine serum albumin).
Formulation:	0.01 M PBS, pH 7.2 State: Purified State: Lyophilized
Reconstitution Method:	In double distilled water to a concentration to 1.00 mg/ml
Purification:	Protein G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody at -20 °C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	colony stimulating factor 3 receptor
Database Link:	Entrez Gene 1441 Human Q99062



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Background:

The protein encoded by the GCSF Receptor gene is the receptor for colony stimulating factor 3, a cytokine that controls the production, differentiation, and function of granulocytes. The encoded protein, which is a member of the family of cytokine receptors, may also function in some cell surface adhesion or recognition processes. Four transcript variants encoding four different isoforms have been found for this gene, of which three are membrane-bound and the one secreted and soluble. Mutations in this gene are a cause of Kostmann syndrome, also known as severe congenital neutropenia.

Synonyms:

G-CSF-R, GCSFR, GCSF Receptor, G-CSF Receptor