

PRODUCT INFORMATION SUMMARY

Anti-Human- G-CSF-Receptor

Purified Antibody	(Clone S25)	Product Number MC600120	0.5 mg
Purified Antibody	(Clone S52)	Product Number MC600620	0.1 mg

SPECIFICITY:

Human Granulocyte Colony Stimulating Factor Receptor (G-CSF-R), which reveals two bands on immunoblot of 105-110 kDa and 115-120 kDa molecular weight. Strong signals on immunoblot were achieved with these murine monoclonal antibodies using cell lysates of murine B-57 cell line transfected with human G-CSF-Receptor construct containing the complete extracellular and transmembrane portion. Variable glycosylation of the receptor is believed to result in the two bands revealed on the immunoblot.

IMMUNOGLOBULIN CHAIN COMPOSITION:

Mouse IgG1, kappa (S52)
Mouse IgG2a, kappa (S25)

SOURCE:

Murine ascites fluid.

CLONES:

Derived from hybridization of murine myeloma (SP2/0) cells with spleen cells from BALB/c mice immunized with purified, recombinant fusion protein: Granulocyte Colony Stimulating Factor Receptor/ Maltose Binding Protein (MBP).

PURIFICATION METHOD: Protein G affinity chromatography.

RESEARCH APPLICATIONS:

Development of quantitative immunoassays;

Western Blot

Immunoprecipitation studies of G-CSFR

Identification of G-CSFR in body fluids and tissue sections.

WESTERN BLOT:

Western Blot reactivity was achieved using 200 ug of cell lysate on SDS-PAGE at an antibody concentration of 2 - 10ug/mL. Also with 250 ng/lane G-CSR-MBP.

CROSS-REACTIVITY:

Cross-reactivity with other cytokines, including IL 8, IL 1 Beta, MCAF, and Bovine Serum Albumin was not observed in quality control testing.

NEUTRALIZING ACTIVITY:

Not tested.

HANDLING AND STORAGE:

Lyophilized, purified monoclonal antibody upon reconstitution with 0.2 ml of distilled water will be in a medium containing 0.01M phosphate-buffered saline, pH 7.4. **Gently tap vial on countertop, prior to reconstitution**, to shake down any lyophilized material that may have adhered to top of vial. These preparations should be diluted in a protein-containing or other stabilizing medium to a concentration suitable for use in specific protocols. Lyophilized reagents should be stored at -20° C until reconstitution. Purified anti-G-CSFR is provided free of stabilizing agents and preservatives to facilitate conjugation and immediate use in functional and immunological assays. For long-term storage, the addition of 0.1% sodium azide or other preservative, suitable for particular application, is recommended, or **freeze** small aliquots at high concentration. Avoid freeze-thaw cycles.

WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the product label description.

**RESEARCH USE ONLY
NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE.**

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