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**Biotin-labeled Antibody to Human Granulocyte Colony Stimulating Factor (GCSF)  
MOUSE MONOCLONAL**

**Catalog Number:** AB-454  
**Quantity:** 500 micrograms, 1 milligram  
**Format:** Lyophilized  
**Host:** Mouse  
**Isotype:** IgG  
**Clone:** NYRhGCSF  
**Immunogen:** r.Human GCSF

**Background:**

GCSF (granulocyte colony stimulating factor) is a cytokine that controls the production, differentiation, and function of granulocytes. The active form of the protein is found in the extracellular matrix. Three transcript variants encoding three different isoforms of the protein have been found. GCSF plays an important role in hematopoiesis.

**Specificity and Preparation:**

This antibody recognizes human GCSF. It is purified by protein A chromatography. The antibody is conjugated to biotin.

**Usage and Storage:**

Reported to be effective for direct ELISA, western blot, and intracellular staining (10 $\mu$ l per 10<sup>6</sup> cells). Reconstitute with sterile H<sub>2</sub>O. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate. In lyophilized form, store at 4°C in a dry environment. After reconstitution, if not intended for use within a month, aliquot and store at -20°C. Antibody is stable for two years lyophilized, one month in solution at 4°C. Antibody is shipped lyophilized at ambient temperature.

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