

PRODUCT INFORMATION SUMMARY
ANTI-GM-CSF Receptor (CD116)

Purified Antibody Cat. Number MC700750 0.1 mg

SPECIFICITY:

Recombinant and native human granulocyte-macrophage colony stimulating factor receptor Alpha. This monoclonal antibody will inhibit both high affinity and low affinity binding to the GM-CSF Receptor, and will neutralize the bioactivity of human GM-CSF. Reactive also in western blot analysis, flow cytometry and immunoprecipitation.

IMMUNOGLOBULIN CHAIN COMPOSITION: Mouse IgG2a

CLONE: K21

PURIFICATION METHOD: Protein G chromatography, supplied in PBS, 0.22 micron filtered, with low endotoxin (< 0.1 ng/ug Ig) by LAL assay.

CHARACTERIZATION:

Western blot working dilutions (10 ug/mL):

Neutralization: antibody concentration of 10 ng/mL achieved half-maximal neutralization of 1.5 units/mL human GM-CSF.

Flow Cytometry: antibody used at 10 ug/mL concentration to stain one million cells.

Immunoprecipitation: Incubate cell lysate with 10ug/mL antibody concentration.

HANDLING AND STORAGE: Purified mouse monoclonal antibody provided as 100 uL in a medium containing 0.01M phosphate-buffered saline, pH 7.4. These preparations should be diluted in a protein-containing or other stabilizing medium to a concentration suitable for use in specific protocols. All reagents in a liquid state should be stored at 2-8° C when not in use. Purified anti-GM-CSF receptor is provided free of stabilizing agents and preservatives to facilitate use in functional and other immunological assays. May be stored at 4 Deg. C for up to 6 months. For longer term storage, freeze aliquots at high concentration, store -20 Deg. C.

SELECTED REFERENCE: Nicola, NA, et al; BLOOD (1993) 82: 1724-31.

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