

Anti-CD16

Purified Antibody Product Number NK160020 0.1 mg

FITC Product Number NK160030 100 Tests

Phycoerythrin Product Number NK160070 100 Tests

Purif. Azide-Free Product Number NK160020-XZ 0.2 mg

ANTIGEN DISTRIBUTION AND SPECIFICITY:

The CD16 antigen is also known as the low affinity Fc receptor for IgG (FcRIII). The CD16 antigen has been reported to exhibit structural differences on granulocytes and NK cells suggesting two separate genes encoding this molecule. This antigen is expressed on NK cells, neutrophils and a subset of macrophages. Molecular weight of the antigen is 50-65 kDa.

CLONE: M-154

Immunoglobulin chain composition: Mouse IgG1 kappa light chains.

CONJUGATION: R-phycoerythrin; FITC

HANDLING AND STORAGE:

All conjugates and purified monoclonal antibody are supplied in liquid form. All conjugates should be protected from exposure to light. Reagents will be in a medium containing 0.01M phosphate-buffered saline, pH 7.4, 0.2% gelatin and 0.1% sodium azide. 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.

PRODUCT USE:

For flow cytometry use **10 uL per test**; For immuno-histochemistry, Purified Anti-CD16 should be diluted 1:40 or higher, using enough reagent to cover the tissue section or cytoprep.

* R-phycoerythrin is registered under U.S. patent numbers 4,520,110 and 4,859,582.

RESEARCH APPLICATIONS:

Enumeration of peripheral blood cells expressing the Fc receptor (FcRIII) by flow cytometry, and immunofluorescence or immunoenzymatic staining.

Western blot under Non-reducing conditions.

Immunohistochemical Staining of cryostat (frozen) tissue sections.

CAUTION:

Reagents contain sodium azide, a preservative which may react with lead joints in copper drain lines to form explosive compounds. Even though reagents contain minute quantities of sodium azide, drains should be thoroughly flushed with water when reagents are discarded.

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