

anti-human CD16 FITC

The antibody HI16a reacts with CD16, a low affinity receptor for aggregated IgG (FcγRIII antigen). CD16 exists in two different isoforms: CD16a (FcγRIIIA; 50-65 kDa; expressed on NK-cells, monocytes and macrophages) and CD16b (FcγRIIIB; 48 kDa; mainly expressed on neutrophils).

CD16 (FcγRIII) is a 50-80 kDa glycoprotein serving as a low affinity IgG receptor. Human FcγRIII is expressed in two forms FcγRIII-A and -B. FcγRIII-A is a transmembrane protein of monocytes, macrophages, NK cells and a subset of T cells. It is associated with FcεRI-γ subunit and is responsible for antibody-dependent NK cell cytotoxicity. Mast cell FcγRIII-A is associated, moreover, with FcεRI-β subunit. Besides IgG, FcεRI-A can be triggered also by oligomeric IgE. FcγRIII-B is a GPI-linked monomeric receptor expressed on neutrophils and is involved in their activation and induction of a proadhesive phenotype.

Clone:	HI16a
Isotype:	Mouse IgG1
Physical state:	Liquid for direct use
Form:	purified antibody conjugated with Fluorescein isothiocyanate (FITC)
Buffer:	PBS containing 1 % BSA and 0.09 % sodium azide (pH 7.2)
Storage:	Store at 4 °C. Do not freeze. Avoid prolonged exposure to light.
Application:	Flow Cytometry, Immunoprecipitation
Reference:	Gessner JE, Grussenmeyer T, Kolanus W, Schmidt RE: The human low affinity immunoglobulin G Fc receptor III-A and III-B genes. Molecular characterization of the promoter regions. J Biol Chem. 1995 Jan 20;270(3):1350-61)
Quantity:	1.0 ml
Order N°:	H12506F

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32).

This material is offered for **research only**. Not for use in human. For in vitro use only. EuroBioSciences will not be held responsible for patent infringement or other violations that may occur with the use of our products.