

## XFD594 Anti-human CD16 Antibody \*3G8, XFD594 Same Structure to Alexa Fluor™ 594\*

Catalog number: 10161170, 10161171 Unit size: 100 tests, 500 tests

**Product Details** 

Storage Conditions 2-8°C with minimized light exposure. Do not freeze.

Expiration Date 12 months upon receiving

Concentration 0.1 mg/mL

Formulation Phosphate-buffered saline (PBS, pH 7.2), 0.09% sodium azide, 0.2% (w/v) BSA

**Antibody Properties** 

Species Reactivity Human

Class Primary

Clonality Monoclonal

Host Mouse

Immunogen CD16a (FCRIIIA)

Clone 3G8

Conjugate AF594

**Biological Properties** 

Appearance Purple liquid

Preparation Antibody purified by affinity chromatography and then conjugated with AF594 under optimal

conditions

Application Flow Cytometry (FACS), Fluorescence Imaging

**Spectral Properties** 

Conjugate AF594

Excitation Wavelength 590 nm

Emission Wavelength 618 nm

## **Applications**

The 3G8 monoclonal antibody recognizes human CD16a, a 50 - 65 kD transmembrane protein typically found on the surface of macrophages, natural killer cells, dendritic cells, monocytes and neutrophils. CD16 is a member of key cellular pathways, namely, the Fc-gamma receptor signaling pathway involved in phagocytosis. From a research standpoint, it is of biological interest due to its association with important macromolecules/ligands like IgG Fc. CD16 is a very popular antibody target, with over 25000 publications in the last decade. CD16a is frequently

antibody was purified through affinity Bioquest, and it has the same chemica 592 nm laser and 610/30 nm bandpas	al structure of Alexa Fluor®	594 (Alexa Fluor® is the	trademark of ThermoFish	er). It is compatible with the