

CD16 (3G8)

Analyte Specific Reagent (ASR)*

Type	Number of tests	Volume per test (μL)	Total volume (μL)	Catalog number
PE	50	5	250	4014022
	100	5	500	4014025
APC	50	5	250	4014042
	100	5	500	4014045
APC- iFluor™700	50	5	250	4014172
	100	5	500	4014175
iFluor™700	50	5	250	4014192
	100	5	500	4014195
mFluor™450	50	5	250	4014142
	100	5	500	4014145
PE-Cyanine7	50	5	250	4014082
	100	5	500	4014085
APC-Cyanine7	50	5	250	4014092
	100	5	500	4014095

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Antigen:	CD16
Immunogen:	Human peripheral blood T lymphocytes
Host/Isotype:	Mouse, IgG1,κ
Reactivity:	Human, Rhesus, Cynomolgus, Baboon
Purity:	>90% pure tested via polyacrylamide gel electrophoresis (PAGE)
Formulation:	PBS, pH7.2, 0.09% NaN ₃ and 0.2% (w/v) BSA
Storage:	Store at 2-8°C and protected from prolonged exposure to light. Do not freeze.
Applications:	Flow Cytometry.

Antigen Information

The clone 3G8, a mouse monoclonal antibody, binds to the 50-65 kDa transmembrane protein of IgG FcγRIII known as CD16, a surface antigen commonly associated with human NK cells. In addition to surface expression on NK cells, CD16 is expressed on activated monocytes, macrophages, neutrophils, and placental trophoblasts in humans. 3G8 binds either with the aggregated IgG or IgG-antigen complex which functions in NK cell activation, phagocytosis, and antibody-dependent cell-mediated cytotoxicity (ADCC).

References

1. Deaglio S, et al. 2002. *Blood*. 99(7):2490-8.
2. Fleit HB, et al. 1982. *Proc Natl Acad Sci USA*. 79(10):3275-3279.
3. Da Silva DM, et al. 2001. *Int Immunol*. 13:633.
4. Edberg J, et al. 1997. *J Immunol*. 159:3849
5. Hoshino S, et al. 1991. *Blood* 78:3232.
6. Tamm A, et al. 1996. *Immunol*. 157:1576.

*Analyte Specific Reagent. The analytical and performance characteristics of this ASR product are not established.