Caprico Biotechnologies

TECHNICAL DATA SHEET

CD14 (26ic)

Analyte Specific Reagent (ASR)*

Type	Number of tests	Volume per test (µL)	Total volume (µL)	Catalog number
FITC	50	5	250	4034012
	100	5	500	4034015
PE	50	5	250	4034022
	100	5	500	4034025
APC	50	5	250	4034042
	100	5	500	4034045
PE-Cyanine7	50	5	250	4034082
	100	5	500	4034085
APC-Cyanine7	50	5	250	4034092
	100	5	500	4034095
iFluor™ 700	50	5	250	4034192
	100	5	500	4034195
PerCP-Cyanine5.5	50	5	250	4034062
	100	5	500	4034065

❖ iFluor is a trademark of AAT Bioquest, Inc.

Antigen: CD14
Immunogen: Cultured human peripheral blood monocytes
Host/Isotype: Mouse, IgG2b,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 26ic, a mouse monoclonal antibody, reacts with a human 53-55 kDa glycosylphosphatidylinositol (GPI)-anchored single chain cell surface antigen known as CD14. The CD14 expression is commonly observed on monocytes, interfollicular macrophages, reticular dendritic cells and some Langerhans cells. 26ic binds with a complex of LPS and lipopolysaccharide binding protein, and blockade of CD14 with monoclonal antibodies prevented the synthesis of TNF-alpha by LPS activated leukocytes.

References

1. *Antal-Szalmas P, et al. 1997. J Leukoc Biol. 61:721.*
2. *Antal-Szalmas P, et al. 2001. Cytometry. 45:115.*
3. *Bate C, et al. 2005. J Neuroimmunol. 170:62.*
4. *Detmers PA, et al. 1998. J Immunol. 161:1921.*
5. *Giambartolomei GH, et al. 1999. Infect Immun. 67:140.*

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

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