

CD14 (C-2397)

Type	Size	Catalog number
Unconjugated	100µg	122401
	500µg	122403
FITC	25 tests	122414
	100 tests	122415
	200 tests	122416

Antigen:	CD14
Immunogen:	Recombinant fragment of human CD14 protein
Host/Isotype:	Mouse, IgG2b, κ
Reactivity:	Human
Purity:	>90% pure tested via polyacrylamide gel electrophoresis (PAGE)
Formulation:	PBS, pH7.2, 0.09%NaN ₃ (unconjugated) PBS, pH7.2, 0.09% NaN ₃ and 0.2% (w/v) BSA (conjugated)
Storage:	Store at 2-8°C and protected from prolonged exposure to light. Do not freeze.
Applications:	Flow Cytometry

Application Information

Each lot of these antibodies has been pre-titrated and tested by flow cytometric analysis of human PBMCs such that 0.5µg (unconjugated, Biotin) or 5µl (conjugated) of these products are sufficient for staining 1 million cells in a 100µl staining volume or 100µl of whole blood. It is recommended to titrate antibody reactivity empirically for optimal performance.

Antigen Information

The clone C-2397, a mouse monoclonal antibody, specifically recognizes a human 53-55 kDa glycosylphosphatidylinositol (GPI)-anchored single chain cell surface antigen known as CD14. The expression of CD14 is commonly observed on monocytes, interfollicular macrophages, reticular dendritic cells and some Langerhans cells. C-2397 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. *Leukoc Biol.* 61:721.
2. Bate C, et al. 2005. *J Neuroimmunol.* 170:62.
3. Detmers PA, et al. 1998. *J Immunol.* 161:1921.
4. Power, C.P, et al. 2004. *J Immunol.* 173:5229.
5. Wright SD et al. 1990, *Science.* 249:1431-3.
6. Autissier et al. 2010. *J. Immunol. Methods.* 360:119-128.

Terms and Conditions

This product is for research use only (RUO) and not intended for diagnostic testing.