Caprico Biotechnologies

**TECHNICAL DATA SHEET**

# CD14 (C-2386)

| Type | Size | Catalog number |
|---|---|---|
| Unconjugated | 100µg | 122301 |
| | 500µg | 122303 |
| FITC | 25 tests | 122314 |
| | 100 tests | 122315 |
| | 200 tests | 122316 |

**Antigen:** CD14
**Immunogen**: Recombinant fragment of human CD14 protein (around aa 25-148)
**Host/Isotype:** Mouse, IgG1, κ
**Reactivity:** Human
**Purity:** >90% pure tested via polyacrylamide gel electrophoresis (PAGE)
**Formulation:** PBS, pH7.2, 0.09%$NaN_3$ (unconjugated, Biotin)
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-2386, 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. C-2386 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. *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.*


## Terms and Conditions

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


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