

CD-14 Antibody (Clone biG 10)

CATALOG #: 3676-100 100 µg

AMOUNT:

HOST: Mouse (IgG1)

IMMUNOGEN: Monocytes and immunoaffinity purified soluble CD14

SPECIES REACTIVITY: human (cross reacts with horse and bovine CD14)

CLONE NUMBER: biG 10

FORMULATION:

Human CD-14 was lyophilized from a concentrated protein solution (1 mg/ml) containing phosphate-buffered saline, pH 7.2

RECONSTITUTION:

Add 100µl of sterile ultra-pure distilled water to each tube. This solution can then be diluted with phosphate buffered saline (PBS) or other buffers.

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -80°C. Avoid repeated freeze/defrost cycles.

BACKGROUND:

The CD14 glycoprotein, gp 55, is present on most monocytic and macrophages like cell types: monocytes, macrophages, Kupffer cells, pleural phagocytic cells and dendritic reticular cells. CD14 is also observed on granulocytes and activated or transformed B-cells. Furthermore CD14 is present in a soluble form in human serum, urine and other body fluids. The CD14 molecule has been reported to be a receptor for endotoxin.

APPLICATIONS AND USAGE:

Suitable for immunostaining of CD14positive cells (Flow Cytometry); ELISA; CD14 inhibition studies; Western Blot

SPECIFICITY:

Inhibits binding of LPS to CD14, binding epitope: amino acid 9-13, 39-44, and total inhibition of LPS-binding to CD14: 100µg/ml. Binding titre at human CD14 transfected CHO-cells: more than 10.000. **It cross reacts with horse and bovine CD14** and inhibits binding of LPS to horse and bovine CD14. Binding titre at horse CD14 1:100 and inhibition titre 1:10.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- Recombinant Human CD-14 (Cat. No.4937-10)
- Recombinant Mouse CD-14 (Cat. No.4938-10)