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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Purified Mouse Anti-CD14 Monoclonal Antibody

CLX21AP

Size: 0.1 mg

Clone: B-A8

Isotype: Mouse IgG₁

Specificity: The antibody B-A8 reacts with CD14, a 53-55 kDa GPI (glycosylphosphatidylinositol) linked membrane glycoprotein expressed on monocytes, macrophages and weakly on granulocytes; also expressed by most tissue macrophages.

Immunogen: Human monocytes

Species Reactivity: Human

Application: **ELISA**
The antibody B-A8 has been tested as the capture antibody in a sandwich ELISA for analysis of human CD14

Immunohistochemistry (paraffin sections)

Recommended dilution: 2-10 µg/ml

Positive tissue: PML brain sections

Application note:

Positive staining on human PML brain sections was mainly observed on monocytes in the luminal side of brain blood vessels, and on some perivascular cells adjacent to medium-sized vessels. Heat retrieval of antigen is recommended.

Flow Cytometry

Recommended dilution: 1 µg/ml

Purity: > 95% (by SDS-PAGE)

Purification: Purified by protein A

Concentration: 1 mg/ml

Storage Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4

Storage / Stability: Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.

Background: CD14 is a 55 kDa GPI-anchored glycoprotein, constitutively expressed on the surface of mature monocytes, macrophages, and neutrophils, where serves as a multifunctional lipopolysaccharide receptor; it is also released to the serum both as a secreted and enzymatically cleaved GPI-anchored form. CD14 binds lipopolysaccharide molecule in a protein (LBP), an acute phase serum protein. The soluble sCD14 is able to discriminate slight structural differences between lipopolysaccharides and is important for neutralization of serum allochthonous lipopolysaccharides by reconstituted lipoprotein particles. CD14 affects allergic, inflammatory and infectious processes.

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Laboratory Reagent For Research Use Only.

MW 12/17/15