

Product datasheet

Anti-CD14 antibody [47-3D6] (Allophycocyanin) ab91144

★★★★☆ 1 Abreviews 2 Images

Overview

Product name	Anti-CD14 antibody [47-3D6] (Allophycocyanin)
Description	Mouse monoclonal [47-3D6] to CD14 (Allophycocyanin)
Host species	Mouse
Conjugation	Allophycocyanin. Ex: 645nm, Em: 660nm
Specificity	ab91144 reacts with Human monocytes and macrophages; weak reactions may occur with neutrophils.
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Human lung angiotensin converting enzyme.
Positive control	Human normal peripheral blood.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.09% Sodium Azide Constituents: 1% BSA, pH 7.2
Purity	Immunogen affinity purified
Clonality	Monoclonal
Clone number	47-3D6
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab91144** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt	★★★★☆	Use 20µl for 10 ⁶ cells. ab37391 -Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Function

Cooperates with MD-2 and TLR4 to mediate the innate immune response to bacterial lipopolysaccharide (LPS). Acts via MyD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Up-regulates cell surface molecules, including adhesion molecules.

Tissue specificity

Expressed strongly on the surface of monocytes and weakly on the surface of granulocytes; also expressed by most tissue macrophages.

Sequence similarities

Contains 11 LRR (leucine-rich) repeats.

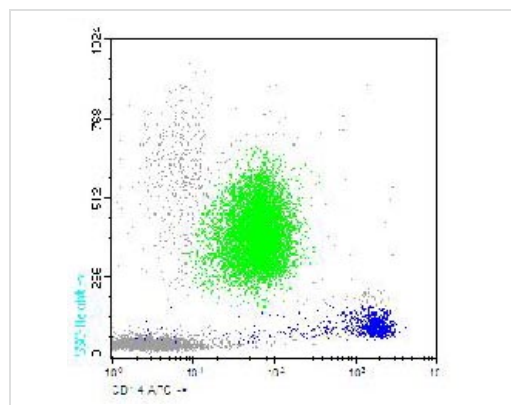
Post-translational modifications

N- and O- glycosylated. O-glycosylated with a core 1 or possibly core 8 glycan.

Cellular localization

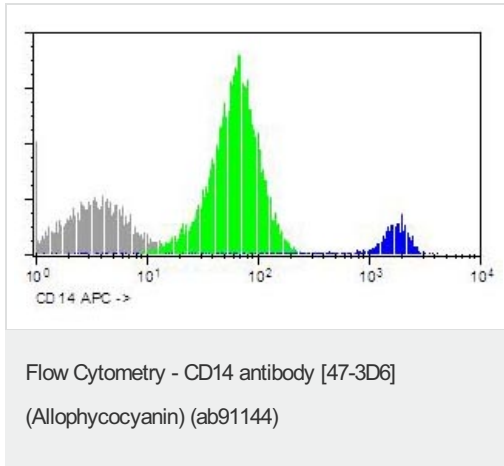
Cell membrane.

Images



ab91144, at 20µl/10⁶ cells, staining CD14 in normal Human peripheral blood by Flow Cytometry.

Flow Cytometry - CD14 antibody [47-3D6]
(Allophycocyanin) (ab91144)



ab91144, at $20\mu\text{l}/10^6$ cells, staining CD14 in normal Human peripheral blood by Flow Cytometry.

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