Anti-CD14 antibody [61D3] (PE/Cy5.5 ®) ab25390

Overview

Product name
Anti-CD14 antibody [61D3] (PE/Cy5.5 ®)

Description
Mouse monoclonal [61D3] to CD14 (PE/Cy5.5 ®)

Host species
Mouse

Conjugation
PE/Cy5.5 ®. Ex: 496nm, Em: 690nm

Specificity
Human CD14

Tested applications
Suitable for: Flow Cyt, IHC-Fr, IP

Species reactivity
Reacts with: Human

Immunogen
The details of the immunogen for this antibody are not available.

General notes
This product or portions thereof is manufactured under license from Carnegie Mellon University under U.S. Patent Number 5,268,486 and related patents. Cy and CyDye are trademarks of GE Healthcare Limited.

Properties

Form
Liquid

Storage instructions
Shipped at 4°C. Store at +4°C.

Storage buffer
Preservative: 0.09% Sodium azide
Constituents: PBS, 16% Sucrose

Stabilising agent.

Purity
Ascites

Purification notes
Purified from ascites.

Clonality
Monoclonal

Clone number
61D3

Isotype
IgG1

Light chain type
kappa

Applications
Our Abpromise guarantee covers the use of ab25390 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>Flow Cyt</td>
<td></td>
<td>Use 10µl for 10⁶ cells.&lt;br&gt;ab154453 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.</td>
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<tr>
<td>IHC-Fr</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
</tr>
<tr>
<td>IP</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
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**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.

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