Product datasheet

Anti-CD16 antibody ab203883

Overview

Product name
Anti-CD16 antibody

Description
Rabbit polyclonal to CD16

Host species
Rabbit

Tested applications
Suitable for: Flow Cyt, IHC-P, WB

Species reactivity
Reacts with: Mouse, Rat, Human

Immunogen
Synthetic peptide within Human CD16 aa 145-195 conjugated to Keyhole Limpet Haemocyanin (KLH). The exact sequence is proprietary.

Sequence:
GKGRKYFHNSDFYIPKATLKDSGSYFCRGLFGSKNV
SSETVNITITQGL A

Database link: P08637

Positive control
U937 cells; Human lung cancer, human glioma and mouse spleen tissues.

Properties

Form
Liquid

Storage instructions

Storage buffer
Preservative: 0.09% Sodium azide
Constituents: 50% Glycerol, 0.01% BSA

Aqueous buffered solution

Purity
Protein A purified

Clonality
Polyclonal

Isotype
IgG

Applications

Our Abpromise guarantee covers the use of ab203883 in the following tested applications.
Function
Receptor for the Fc region of IgG. Binds complexed or aggregated IgG and also monomeric IgG. Mediates antibody-dependent cellular cytotoxicity (ADCC) and other antibody-dependent responses, such as phagocytosis.

Tissue specificity
Expressed on natural killer cells, macrophages, subpopulation of T-cells, immature thymocytes and placental trophoblasts.

Sequence similarities
Contains 2 Ig-like C2-type (immunoglobulin-like) domains.

Post-translational modifications
Glycosylated. Contains high mannose- and complex-type oligosaccharides. The soluble form is produced by a proteolytic cleavage.

Cellular localization
Cell membrane. Secreted. Exists also as a soluble receptor.

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<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tr>
<td>Flow Cyt</td>
<td>1/20 - 1/100.</td>
<td></td>
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<tr>
<td>IHC-P</td>
<td>1/100 - 1/500. When using a fluorescent probe the recommended dilution is 1/50 – 1/200.</td>
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<tr>
<td>WB</td>
<td>1/100 - 1/1000. Predicted molecular weight: 29 kDa.</td>
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Target

Images

All lanes: Anti-CD16 antibody (ab203883) at 1/300 dilution

Lane 1: Lung lysates
Lane 2: Spleen lysates

Predicted band size: 29 kDa
U937 cells probed with ab203883 at a 1/100 for 40 minutes followed by incubation with Goat Anti-Rabbit IgG PE conjugated secondary at 1/100 (green) for 40 minutes compared to control cells (blue).

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human glioma tissue labeling CD16 with ab203883 at 1/200 dilution followed by conjugation to the secondary antibody and DAB staining.

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human lung cancer tissue labeling CD16 with ab203883 at 1/200 dilution followed by Goat Anti-Rabbit IgG, Cy3 conjugated secondary antibody at 1/200 dilution.
Immunohistochemical analysis of formalin-fixed, paraffin-embedded mouse spleen tissue labeling CD16 with ab203883 at 1/200 dilution followed by conjugation to the secondary antibody and DAB staining.

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