Product datasheet

Anti-CD14 antibody ab45870

8 References  2 Images

Overview

Product name  Anti-CD14 antibody
Description  Goat polyclonal to CD14
Host species  Goat
Tested applications  Suitable for: WB, IHC-P
Species reactivity  Reacts with: Human
Immunogen  Synthetic peptide:
C-KRVDADADPRQYAD
, corresponding to Internal sequence amino acids 71-84 of Human CD14
Positive control  Human Lymph Node lysate and tonsil lysates. Human spleen tissue sections.

Properties

Form  Liquid
Storage instructions  Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer  Preservative: 0.02% Sodium Azide
Constituents: 0.5% BSA, Tris saline, pH 7.3
Purity  Immunogen affinity purified
Purification notes  Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality  Polyclonal
Isotype  IgG

Applications

Our Abpromise guarantee covers the use of ab45870 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
**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**

Anti-CD14 antibody (ab45870) at 1 µg/ml + Human Lymph Node lysate (35µg protein in RIPA buffer).

**Predicted band size:** 40 kDa

**Observed band size:** 55 kDa

Why is the actual band size different from the predicted?

Primary incubation was 1 hour. Detected by chemiluminescence.
ab45870 at 4 µg/ml staining CD14 in human spleen tissue by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections). Steamed antigen retrieval with citrate buffer pH 6, AP-staining. Image shows strong clustered staining in some splenocytes.

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