

PAA685Ra01

Polyclonal Antibody to ClusterOfDifferentiation14(CD14)

Organism: *Rattus norvegicus* (Rat)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PRODUCT INFORMATION]

Immunogen: CD14, Rat

Clonality: Polyclonal

Host: Rabbit

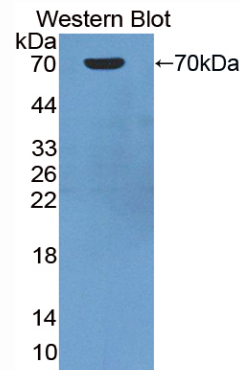
Immunoglobulin Type: IgG

Purification: Affinity Chromatography.

Applications: WB, ICC, IHC-P, IHC-F, ELISA

Concentration: 200µg/mL

UOM: 100µg



Sample: Recombinant CD14, Rat

[IMMUNOGEN INFORMATION]

Immunogen: Recombinant CD14 (Ser18~Val372) expressed in *E.coli*.

Accession No.: RPA685Ra01

Sequence: The target protein is fused with two N-terminal Tags, His-tag and GST-tag and its sequence is listed below.

MSPILGYWKI KGLVQPTRL L LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID
GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV
DFLSKLP EML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK
KRIEAIQID KYLKSSKYIA WPLQGWQATF GGDHPPKSD GSTSGSGHHH HHSAGLVPR
GSTAIGMKET AAKFERQHM DSPDLGTLEV LFQGPLGS-SPA TPEPCELDQD
EESVRCYCNF SDPQPNWSSA FLCAGAEDVE FYGGGRSLEY LLKRVDT EAN LGQYTDIIRS
LPLKRLTVRS ARVPTQILFG TLRVLGYSGL RELTLENLEV TGTALSPLLD ATGPDNLNLS
LRNVSWATTD TWLAELQQWL KPGLKVLSIA QAHS LNFSCK QVGVPALAT LDLSDNPELG
EKGLISALCP HKFPTLQVLA LRNAGMETTS GVCSALAAAR VPLQALDLSH NSLRD TAGTP

SCDWPSQLNS LNLSFTGLEH VPKGLPAKLS VLDLSYNRLD RKPRPEELPE VGSLSLTGPN
FLHSESQSEA YNSGVVIATA LSPGSAGLSG TLALLLGHRL FV

[ANTIBODY SPECIFICITY]

The antibody is a rabbit polyclonal antibody raised against CD14. It has been selected for its ability to recognize CD14 in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[QUALITY CONTROL]

Content: The quality control contains recombinant CD14 (Ser18~Val372) disposed in loading buffer.

Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.
5uL per well when used in enhanced chemiluminescent (ECL).

Note: The quality control is specifically manufactured as the positive control. Not used for other purposes.

Loading Buffer: 100mM Tris(pH8.8), 2% SDS, 200mM NaCl, 50% glycerol, BPB 0.01%, NaN₃ 0.02%.

[STORAGE]

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.