For Research Use Only

CD14 Polyclonal antibody

Catalog Number:30796-1-AP

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
30796-1-AP

Size:
500 ug/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC010507

GeneID (NCBI):
929

ENSEMBL Gene ID:
ENSG00000170458

UNIPROT ID:
P08571

Full Name:
CD14 molecule

Calculated MW:
375 aa, 40 kDa

Observed MW:
50-55 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IHC 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HL-60 cells,

IHC : human tonsillitis tissue,

Background Information

CD14 is a 50-55 kDa glycosylphosphatidylinositol-anchored glycoprotein preferentially expressed on monocytes and macrophages, and at lower levels on granulocytes (PMID: 3385210; 2462937; 7685797). CD14 can also exist as a soluble protein. CD14 acts as a co-receptor for bacterial liposaccharides (LPS) (PMID: 1698311). It plays a major role in the inflammatory response of monocytes to LPS.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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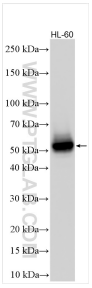
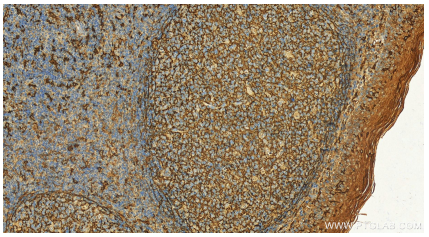
Selected Validation Data



HL-60 cells were subjected to SDS PAGE followed by western blot with 30796-1-AP (CD14 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 30796-1-AP (CD14 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).