

## CD14 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50106

Clone# BP6111

**Predicted Molecular Wt:** 40kDa  
**Species Cross-reactivity:** Human  
**Applications:** IHC-P

**Purity:** ProA affinity purified IgG  
**Form:** Liquid  
**Swissprot ID:** P08571

### Background:

CD14 is receptor for endotoxin and apoptotic cells. It is expressed by monocytes/histiocytes, Langerhans' cells, follicular dendritic reticulum cells, neutrophils (weakly), and endothelial cells of the liver sinusoids.

CD14 is detected in myeloid leukaemias with monoblastic/monocytic differentiation, and in histiocytic neoplasms like histiocytic lymphoma, Langerhans' cell histiocytosis and giant cell tumour. In cultures, a subpopulation of Kaposi sarcoma cells express CD14.

In differential diagnosis, CD14 is more specific than CD68 in the identification of monocytes/histiocytes and associated neoplasias.

### Subcellular location:

Membrane

### Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

### Immunogen:

Synthetic peptide corresponding to residues within aa1-100 of CD14 was used as an immunogen.

### Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

### Storage conditions:

-20°C

### Storage instructions:

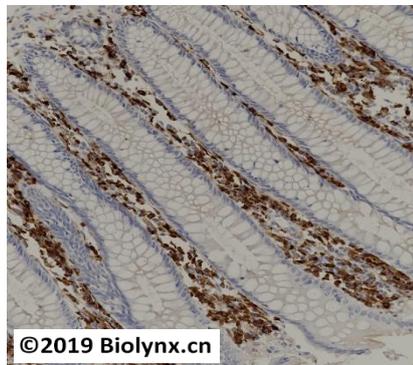
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

### Recommended Dilutions:

IHC-P: 1:100-1:200

### Background References:

1. Scott CS, Eur J Haematol. 1990 Jan;44(1):24-9.
2. Wright SD, Science 1990;249:1431-3.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of appendix labelling CD14 with BP6111. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0.

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.