

Myeloperoxidase Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50099

Clone# BP6104

Predicted Molecular Wt: 84kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P05164

Background:

Myeloperoxidase (MPO) also called the peroxidase (POD), is an important marker of bone marrow cells. It is one of the members of the family of heme peroxidase super existing in myeloid cells (mainly neutrophils and monocytes of aniline blue particles). With the deepening of the research on MPO, MPO gene polymorphism has been found to lead to individual for some disease susceptibility differences, with a variety of human development is closely related to the occurrence of diseases. The antibody reacts with neutrophil granulocytes and monocytes in blood and with precursors of granulocytes in the bone marrow. The antibody is useful as an aid for classification of neoplastic tissue, i.e. myeloblasts and immature myeloid cells of acute myelogenous leukemia, progranulocytic leukemia, monomyelocytic leukemia, erythroleukemia and myeloblastoma.

Subcellular location:

Cytoplasmic

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 aa150-250 of Myeloperoxidase was used as an immunogen.

Storage Buffer:

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

Storage conditions:

-20°C

Storage instructions:

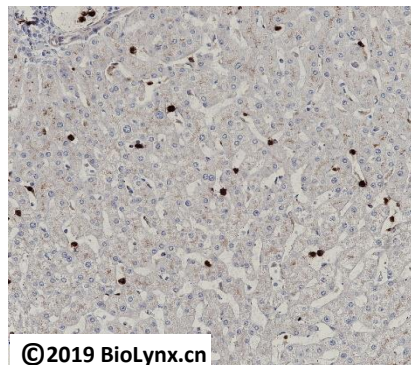
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:


IHC-P: 1:100-1:200

Background References:

1. Toth B, Wehrmann M, et al. J Clin Pathol 1999 Sep;52(9):688-92
2. Pinkus GS, Pinkus JL. Mod Pathol 1991 Nov;4(6):733-41.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections analysis of liver tissue labelling Myeloperoxidase with BP6104. 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.