



# Rabbit Anti-Human MPO Monoclonal Antibody, clone CQ7215 (CABT-Z262R)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                              |   |
|------------------------------|---|
| <b>Immunogen</b>             | Synthetic peptide corresponding to residues within aa150-250 of Myeloperoxidase was used as an immunogen. |
| <b>Isotype</b>               | IgG   |
| <b>Source/Host</b>           | Rabbit  |
| <b>Species Reactivity</b>    | Human   |
| <b>Clone</b>                 | CQ7215  |
| <b>Purification</b>          | ProA affinity purified IgG.   |
| <b>Conjugate</b>             | Unconjugated  |
| <b>Applications</b>          | IHC-P<br>Recommended concentration:<br>IHC-P: 1:100-1:200   |
| <b>Cellular Localization</b> | Cytoplasmic   |
| <b>Positive Control</b>      | Liver Tissue  |
| <b>Format</b>                | Liquid  |
| <b>Concentration</b>         | Lot specific  |
| <b>Size</b>                  | 100 µl  |
| <b>Buffer</b>                | PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.   |

|                     |  |
|---------------------|--|
| <b>Preservative</b> | 0.01% Sodium azide                         |
| <b>Storage</b>      | Store at -20 °C. Avoid freeze/thaw cycles. |
| <b>Ship</b>         | Wet ice                                    |

## BACKGROUND

|                     |  |
|---------------------|--|
| <b>Introduction</b> | 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. |
|---------------------|--|

|                 |                      |
|-----------------|----------------------|
| <b>Keywords</b> | MPO; myeloperoxidase |
|-----------------|----------------------|

## GENE INFORMATION

|                       |                        |
|-----------------------|------------------------|
| <b>Gene Name</b>      | MPO                    |
| <b>Entrez Gene ID</b> | <a href="#">4353</a>   |
| <b>UniProt ID</b>     | <a href="#">P05164</a> |