Anti-MPO antibody (STJ13100487)

STJ13100487

GENERAL INFORMATION

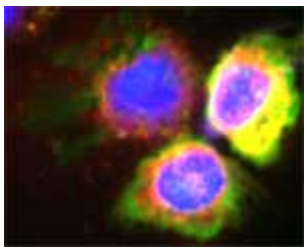
Product Type Primary antibodies
Short Description Nz White Rabbit polyclonal antibody anti-MPO is suitable for use in Immunohistochemistry and Western Blot research applications.
Applications IHC, WB
Host/Source NZ White Rabbit
Reactivity Human

PRODUCT PROPERTIES

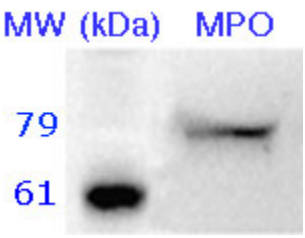
Clonality Polyclonal
Clone ID
Concentration
Conjugation Unconjugated
Purification Protein G purified IgG
Dilution Range A working concentration of 10-50 ug/ml is recommended. The optimal dilution should be determined by the end user. This antibody performs superbly in paraffin-embedded tissue sections fixed in formalin, frozen sections and cell cytospins.
Formulation Shipped as lyophilised. Reconstitute in 500 ul of sterile water. Centrifuge to remove any insoluble material.
Isotype IgG
Storage Instruction Maintain the lyophilised/reconstituted antibodies frozen at-20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.

TARGET INFORMATION

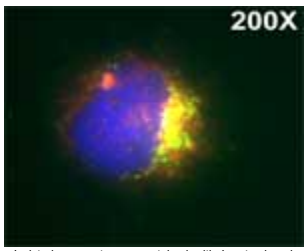
Gene ID 4353
Gene Symbol MPO
Uniprot ID PERM_HUMAN
Immunogen Native myeloperoxidase isolated from human leucocytes
Immunogen Region
Specificity Specific for MPO.
Immunogen Sequence



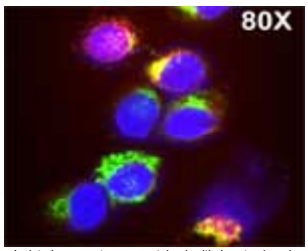
Confocal microscopy on isolated monocytes. MPO detected with Rabbit antibody to MPO: red; Hoechst: blue; MHC class II: green. Magnification: 200 X



10 ug of neutrophil lysate was separated by 12% SDS-PAGE. Proteins were transferred onto a PVDF membrane and blocked by incubation with PBS containing 2% skim milk and 0. 02% Tween 20 for 30 min. Membranes were probed with Rabbit antibody to MPO (3 ug/ml) for 1 hr. Membranes were then probed with goat anti-rabbit antibody conjugated to alkaline phosphatase diluted 1:1000 and developed with ECF luminescence substrate (Amersham Biosciences).



Isolated monocytes were stained with Lysotrack red followed by staining with Rabbit antibody to MPO (3ug/ml) for 1 hour at room temperature, washed and followed by staining with goat anti-rabbit antibody conjugated to Alexa 488 (Green) for 1 hr. Mounting media (10% Glycerol in PBS) containing Hoechst 33258 1 ug/ml (Sigma-Aldrich) was used for nuclear counterstaining (Blue). Fluorescent cell staining was analysed by confocal microscopy using a BioRad Radiance 2100 confocal microscope. Magnification: 200X



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St John's Laboratory Ltd, Knowledge Dock Business Centre, University Way, London, E16 2RD | Tel: 0208 223 3081