bs-41105R **[Primary Antibody]**

MPO Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 4353 **SWISS:** P05164

Target: MPO

Immunogen: Recombinant human Myeloperoxidase: 165-745/745.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Myeloperoxidase (MPO) is a heme protein synthesized during myeloid differentiation that constitutes the major component of neutrophil azurophilic granules. Produced as a single chain precursor, myeloperoxidase is subsequently cleaved into a light and heavy chain. The mature myeloperoxidase is a tetramer composed of 2 light chains and 2 heavy chains. This enzyme produces hypohalous acids central to the microbicidal activity of neutrophils. [provided by RefSeq, Nov 2014]

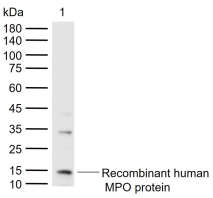
Applications: **WB** (1:500-2000)
Flow-Cyt (1ug/Test)

Reactivity: Human

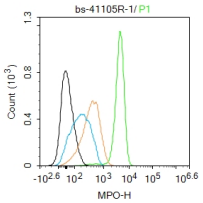
Predicted MW.: 84 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Sample: Lane 1: Recombinant human MPO protein(bs-44018P) Primary: Anti-MPO (bs-41105R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 84 kDa Observed band size: 15 kDa



Blank control（black line）:HL60. Primary Antibody (green line):Rabbit Anti-MPO antibody (bs-41105R) Dilution:1ug/Test; Secondary Antibody : Goat anti-rabbit IgG-AF488 Dilution:0.5ug/Test. Negative control（white blue line）:PBS Isotype control（orange line）:Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C.The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=2.3]** Le Zhang. et al. Intestinal stem cell-derived extracellular vesicles ameliorate necrotizing enterocolitis injury. MOL CELL PROBE. 2025 Feb;79:101997 IF ;Mouse. 39645054