

bs-4943R**[Primary Antibody]****MPO Rabbit pAb****Bioss**
ANTIBODIES

www.bioss.com.cn

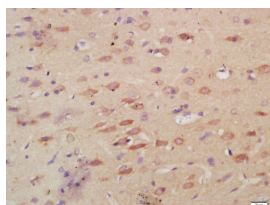
sales@bioss.com.cn

techsupport@bioss.com.cn

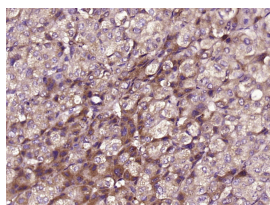
400-901-9800

— DATASHEET —

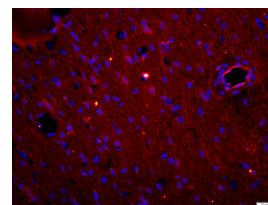
Host: Rabbit Clonality: Polyclonal GeneID: 4353 Target: MPO Immunogen: KLH conjugated synthetic peptide derived from human Myeloperoxidase heavy chain: 678-745/745. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. 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]	Isotype: IgG SWISS: P05164	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) Reactivity: Human, Mouse (predicted: Rat, Rabbit, Dog, GuineaPig, Horse) Predicted MW.: 84 kDa Subcellular Location: Cytoplasm
--	---	---

— VALIDATION IMAGES —

Tissue/cell: mouse brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-MPO Polyclonal Antibody, Unconjugated(bs-4943R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MPO) Polyclonal Antibody, Unconjugated (bs-4943R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: mouse brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-MPO Polyclonal Antibody, Unconjugated(bs-4943R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-Cy3) used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml, blue, C-0033) was used to stain the cell nuclei

— SELECTED CITATIONS —

- **[IF=13.2]** Yuan Su. et al. Oral solid-liquid biphasic microcapsules for precision targeted therapy of Salmonella-induced enteritis. CHEM ENG J. 2025 Apr;509:161497 IHC ;Rat. 10.1016/j.cej.2025.161497
- **[IF=11.53]** Ye, Buqing. et al. Induction of functional neutrophils from mouse fibroblasts by thymidine through enhancement of Tet3 activity. Cell Mol Immunol. 2022 Mar;;1-15 IF ;E.Coli. 35301470
- **[IF=8.5]** Qian Wu. et al. Bletilla striata polysaccharides alleviate ARDS by inhibiting NETs-induced pyroptosis in pulmonary alveolar macrophage through the PAD4 pathway. INT J BIOL MACROMOL. 2025 Feb;;141026 IHC ;Mouse.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

39954881

- **[IF=5.6]** Bartomeu Mestre. et al. A Nanoparticle-Based Immunoassay on Facemasks for Evaluating Neutrophilic Airway Inflammation in COPD Patients. BIOSENSORS-BASEL. 2025 May;15(5):323 ;Human. 40422062
- **[IF=5.595]** Chen B et al. A self-organized actomyosin drives multiple intercellular junction disruption and directly promotes neutrophil recruitment in lipopolysaccharide-induced acute lung injury.FASEB J. 2018 Jun 7:fj201701506RR. ICC ;Human. 29879372