abcam

Product datasheet

Anti-Myeloperoxidase antibody [SP72] - BSA and Azide free ab236218

リコンビナント RabMAb

画像数 6

製品の概要

製品名	Anti-Myeloperoxidase antibody [SP72] - BSA and Azide free
製品の詳細	Rabbit monoclonal [SP72] to Myeloperoxidase - BSA and Azide free
由来種	Rabbit
アプリケーション	**適用あり:** IHC-P, Flow Cyt (Intra) **適用なし:** ICC/IF
種交差性	**交差種:** Human
免疫原	Synthetic peptide within Human Myeloperoxidase aa 600-700 (C terminal). The exact sequence is proprietary. Database link: **P05164**
エピトープ	C terminus
ポジティブ・コントロール	IHC-P: Human tonsil tissue. Flow cyto (intra): HL-60 cells
特記事項	ab236218 is the carrier-free version of **ab93665**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**.

This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.20 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A/G purified
特記事項（精製）	Purified from TCS by protein A/G.
ポリ/モノ	モノクローナル
クローン名	SP72
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab236218の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

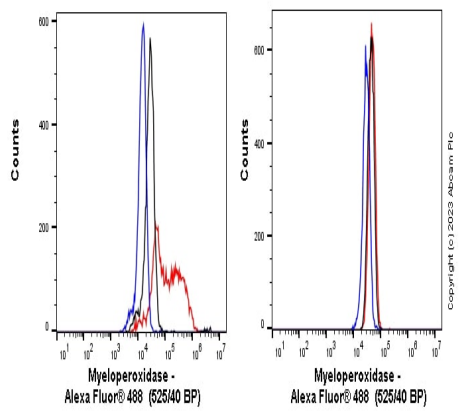
アプリケーション	Abreviews	特記事項
IHC-P		Use at an assay dependent concentration. 30 minutes at room temperature. Boil tissue section in 10mM citrate buffer, pH 6.0 for 10 minutes followed by cooling at room temperature for 20 minutes.
Flow Cyt (Intra)		Use at an assay dependent concentration. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

追加情報 Is unsuitable for ICC/IF.

ターゲット情報

機能	Part of the host defense system of polymorphonuclear leukocytes. It is responsible for microbicidal activity against a wide range of organisms. In the stimulated PMN, MPO catalyzes the production of hypohalous acids, primarily hypochlorous acid in physiologic situations, and other toxic intermediates that greatly enhance PMN microbicidal activity.
関連疾患	Defects in MPO are the cause of myeloperoxidase deficiency (MPD) [MIM:254600]. MPD is an autosomal recessive defect that results in disseminated candidiasis.
配列類似性	Belongs to the peroxidase family. XPO subfamily.
細胞内局在	Lysosome.

画像



Flow Cytometry (Intracellular) - Anti-Myeloperoxidase antibody [SP72] - BSA and Azide free (ab236218)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab93665**).

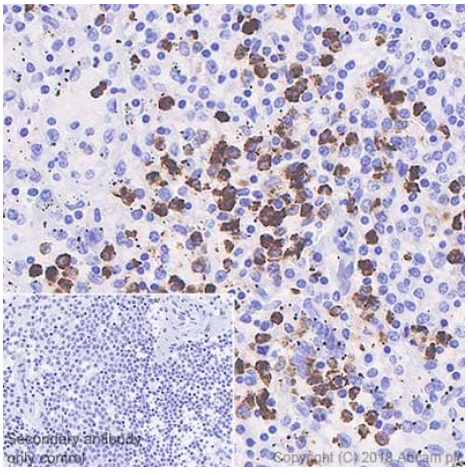
Flow cytometry overlay histogram showing left HL-60 positive cells and right negative HeLa stained with **ab93665** (red line). The cells were fixed with 80% methanol (5 min) and then permeabilised with 0.1% PBS-Triton X-100 for 15 min. The cells were then incubated in 1x PBS containing 10% normal goat serum to block non-specific protein-protein interaction followed by the antibody (**ab93665**) (1x 10^6 in 100µl at 0.2µg/ml (1/10750)) for 30min at 22°C.

The secondary antibody Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed was incubated at 1/4000 for 30min at 22°C

Isotype control antibody (black line) was Recombinant Rabbit IgG, monoclonal [EPR25A] - Isotype Control used at the same concentration and conditions as the primary antibody. Unlabelled sample (blue line) was also used as a control.

Acquisition of >5000 events were collected using a 50 mW Blue laser (488nm) and 525/40 bandpass filter.

This antibody gave a positive signal in HL-60 Fixed with 4% formaldehyde (10 min) / permeabilised with 0.1% PBS-Triton X-100 for 15 min under the same conditions.

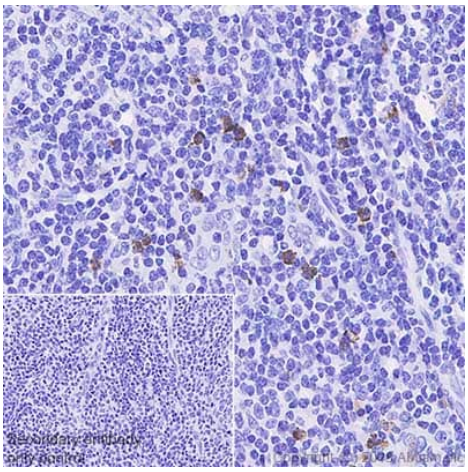


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myeloperoxidase antibody [SP72] - BSA and Azide free (ab236218)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human spleen tissue sections labeling Myeloperoxidase with **ab93665** at 1:100 dilution (2.49 ?g/ml). Heat mediated antigen retrieval with sodium citrate buffer (pH 6.0, epitope retrieval solution 1) for 10mins. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Hematoxylin was used as a counterstain. Positive staining on human spleen, performed on a Leica Biosystems BOND™ RX instrument.

The section was incubated with **ab93665** for 30 mins at room temperature.

This image was generated using **ab93665**, the same clone, but with a different buffer formulation.

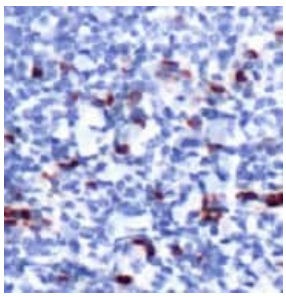


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myeloperoxidase antibody [SP72] - BSA and Azide free (ab236218)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human tonsil
tissue sections labeling Myeloperoxidase with **ab93665** at 1:100 dilution (2.49 ?g/ml). Heat mediated antigen retrieval with sodium citrate buffer (pH 6.0, epitope retrieval solution 1) for 10mins. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Hematoxylin was used as a counterstain. Sporadically positive staining on human tonsil, performed on a Leica Biosystems BOND™ RX instrument.

The section was incubated with **ab93665** for 30 mins at room temperature.

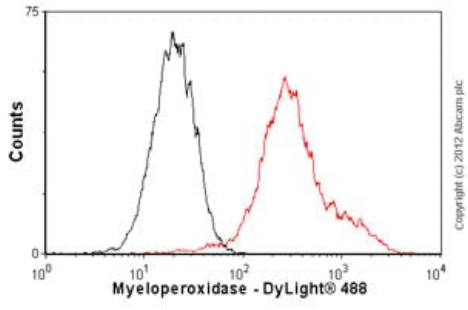
This image was generated using **ab93665**, the same clone, but with a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myeloperoxidase antibody [SP72] - BSA and Azide free (ab236218)

Formalin-fixed, paraffin-embedded human tonsil tissue stained for Myeloperoxidase using ab236218 at 1/100 dilution in immunohistochemical analysis.

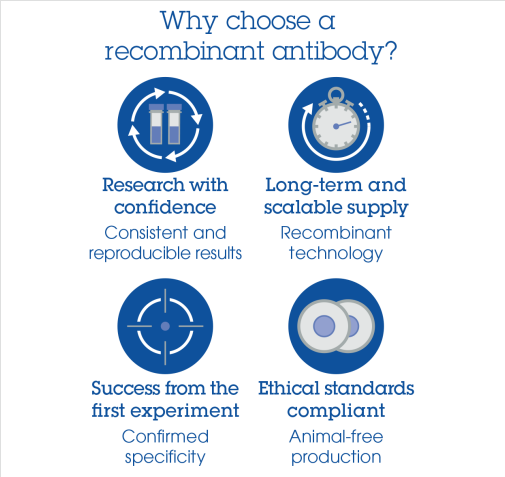
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab93665**).



Flow Cytometry (Intracellular) - Anti-Myeloperoxidase antibody [SP72] - BSA and Azide free (ab236218)

Overlay histogram showing HeLa cells stained with **ab93665** (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (**ab93665**, 1/100 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-rabbit IgG (H+L) (**ab96899**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab93665**).



Anti-Myeloperoxidase antibody [SP72] - BSA and Azide free (ab236218)

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