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Product datasheet

Anti-CD90 / Thy1 antibody [MRC OX-7] - BSA and Azide free ab222781

1 References 画像数 3

製品の概要

製品名	Anti-CD90 / Thy1 antibody [MRC OX-7] - BSA and Azide free
製品の詳細	Mouse monoclonal [MRC OX-7] to CD90 / Thy1 - BSA and Azide free
由来種	Mouse
アプリケーション	**適用あり:** WB, Flow Cyt (Intra), ICC
種交差性	**交差種:** Rat **交差が予測される動物種:** Mouse, Rabbit, Horse, Guinea pig
免疫原	Full length protein. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: rat brain tissue lysate and PC12 whole cell lysate. IF/ICC: PC12 cells. Flow Cyt: Rat splenocytes.
特記事項	The affinity of the Fab' of MRC OX-7 for rat Thy-1 is 3 x $10^9 m^{-1}$ and for mouse Thy-1.1 is 3 x $10^8 m^{-1}$. ab222781 is the carrier-free version of **ab225**. This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact **orders@abcam.com**. 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. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.40 Constituent: PBS
キャリア・フリー	はい
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	MRC OX-7
ミエローマ	NS1
アイソタイプ	IgG1
軽鎖の種類	kappa

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ab222781の使用に適用されます

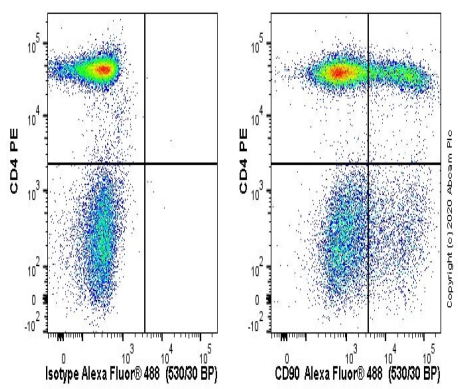
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 5 µg/ml. Detects a band of approximately 35-37 kDa (predicted molecular weight: 17 kDa). Observed molecular weight may vary depending on the glycosylation level of the target.
Flow Cyt (Intra)		Use at an assay dependent concentration.
ICC		Use at an assay dependent concentration.

ターゲット情報

機能	May play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain.
配列類似性	Contains 1 Ig-like V-type (immunoglobulin-like) domain.
細胞内局在	Cell membrane.

画像



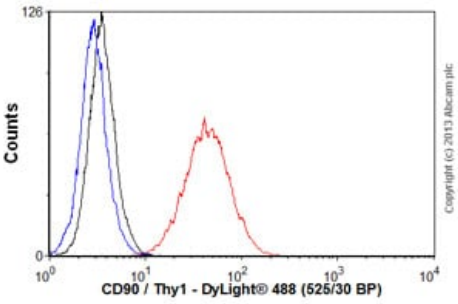
Flow Cytometry - Anti-CD90 / Thy1 antibody [MRC OX-7] - BSA and Azide free (ab222781)

Flow cytometry staining of Lewis rat splenocytes with ab222781 (right) or mouse IgG1κ (**ab170190**) isotype (left). Cells were incubated for 30 min on ice in 1x PBS containing 10 % rat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody (ab222781) or mouse IgG1κ (**ab170190**) isotype ($1x10^6$ in 100 µL at 0.2 µg/ml) for 30 min on ice.

The secondary antibody Goat anti-mouse IgG H&L (Alexa Fluor ® 488, pre-adsorbed) (**ab150117**) was used at dilution for 30 min on ice.

The cells were simultaneously stained with CD4.

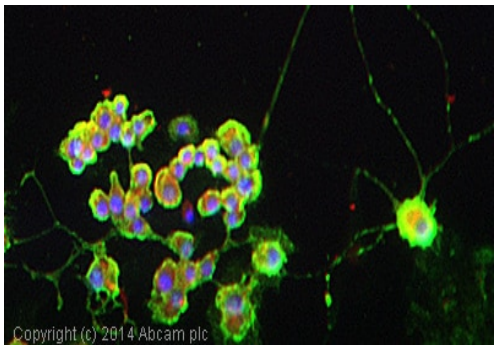
Acquisition of >30000 events were collected using a 50 mW Blue laser (488nm) and 530/30 bandpass filter. Events were gated on live CD3 positive T cells.



Flow Cytometry - Anti-CD90 / Thy1 antibody [MRC OX-7] - BSA and Azide free (ab222781)

The flow cytometry data shown was generated using the same antibody clone in a different buffer formulation (**ab225**).

Overlay histogram showing PC12 cells stained with **ab225** (red line). The cells were fixed with 4% paraformaldehyde (10 min) and incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (**ab225**, 0.1µg/$1x10^6$ cells) for 30 min at 22ºC. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22ºC. Isotype control antibody (black line) was mouse IgG1 [B11/6] (**ab91353**, 1µg/$1x10^6$ cells) used under the same conditions. Unlabelled sample (blue line). Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter. This antibody gave a positive result in 80% methanol (5 min) fixed PC12 cells used under the same conditions.



Immunocytochemistry/ Immunofluorescence - Anti-CD90 / Thy1 antibody [MRC OX-7] - BSA and Azide free (ab222781)

The ICC/IF data shown was generated using the same antibody clone in a different buffer formulation (**ab225**).

ab225 stained PC12 cells. The cells were 100% methanol fixed for 5 minutes at -20°C and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1hour at room temperature to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (**ab225** at 5µg/ml) overnight at +4°C. The secondary antibody (pseudo-colored green) was Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) preadsorbed (**ab150117**) used at a 1/1000 dilution for 1hour at room temperature. Alexa Fluor® 594 WGA was used to label plasma membranes (pseudo-colored red) at a 1/200

dilution for 1hour at room temperature. DAPI was used to stain the cell nuclei (pseudo-colored blue) at a concentration of 1.43µM for 1hour at room temperature.

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