

Anti-CD45RA antibody [MRC OX-33] ab33933

[2 References](#) [画像数 2](#)

製品の概要

製品名	Anti-CD45RA antibody [MRC OX-33]
製品の詳細	Mouse monoclonal [MRC OX-33] to CD45RA
由来種	Mouse
アプリケーション	適用あり: IHC-Fr, Flow Cyt
種交差性	交差種: Rat, Human
免疫原	Full length native protein (purified) corresponding to Rat CD45RA. Purified spleen leucocyte common antigen.
ポジティブ・コントロール	Flow Cyt: Lewis rat splenocytes. IHC-Fr: Rat Spleen
特記事項	<p>Spleen cells from immunised BALB/c mice were fused with cells of the NSO/U myeloma cell line. This clone has been described reacting with paraffin embedded material following PLP fixation (see Whiteland et al., 1995). It only labels B cells among thoracic duct lymphocytes, with little labelling in bone marrow and none on thymocytes (Barclay et al., 1987).</p> <p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>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.</p> <p>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</p>

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 long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.20 Preservative: 0.02% Sodium azide Constituent: PBS
精製度	Protein G purified

特記事項 (精製)	This antibody was purified from tissue culture supernatant.
一次抗体 備考	Spleen cells from immunised BALB/c mice were fused with cells of the NSO/U myeloma cell line. This clone has been described reacting with paraffin embedded material following PLP fixation (see Whiteland et al., 1995). It only labels B cells among thoracic duct lymphocytes, with little labelling in bone marrow and none on thymocytes (Barclay et al., 1987).
ポリ/モノ	モノクローナル
クローン名	MRC OX-33
アイソタイプ	IgG1
軽鎖の種類	kappa

アプリケーション

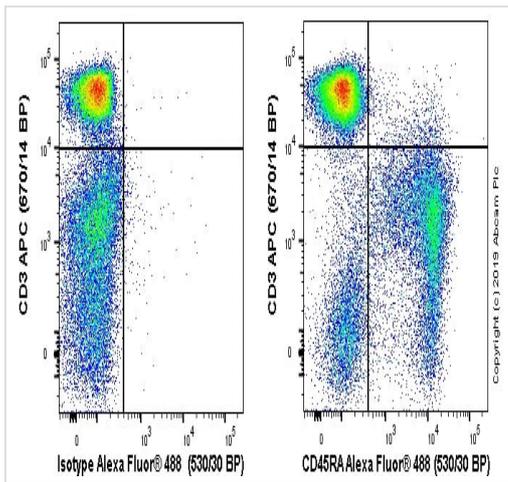
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab33933の使用に適用されず**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-Fr		Use a concentration of 1 µg/ml.
Flow Cyt		Use a concentration of 0.2 µg/ml. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

ターゲット情報

機能	Protein tyrosine-protein phosphatase required for T-cell activation through the antigen receptor. Acts as a positive regulator of T-cell coactivation upon binding to DPP4. The first PTPase domain has enzymatic activity, while the second one seems to affect the substrate specificity of the first one. Upon T-cell activation, recruits and dephosphorylates SKAP1 and FYN. Dephosphorylates LYN, and thereby modulates LYN activity.
関連疾患	Severe combined immunodeficiency autosomal recessive T-cell-negative/B-cell-positive/NK-cell-positive Multiple sclerosis
配列類似性	Belongs to the protein-tyrosine phosphatase family. Receptor class 1/6 subfamily. Contains 2 fibronectin type-III domains. Contains 2 tyrosine-protein phosphatase domains.
ドメイン	The first PTPase domain interacts with SKAP1.
翻訳後修飾	Heavily N- and O-glycosylated.
細胞内局在	Membrane. Membrane raft. Colocalized with DPP4 in membrane rafts.

画像

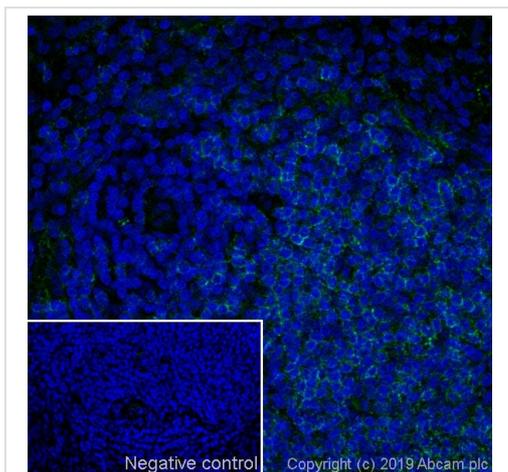


Flow Cytometry - Anti-CD45RA antibody [MRC OX-33] (ab33933)

Lewis rat splenocytes stained with ab33933 (right) or mouse IgG1k (**ab170190**) isotype (left). Lewis rat splenocytes were incubated for 30 min on ice in 1x PBS / 10 % rat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody (ab33933) or mouse IgG1k isotype (**ab170190**) (1×10^6 in 100 μ l at 0.2 μ g/ml) for 30 min on ice.

The secondary antibody Goat anti-mouse IgG H&L (Alexa Fluor[®] 488, pre-adsorbed) (**ab150177**) was used at 1/2000 dilution for 30 min at 4°C. The cells were simultaneously stained with CD3 antibody.

Acquisition of >30,000 events were collected using a 50 mW Blue laser (488nm) and 530/30 bandpass filter. Events were gated on viable lymphocytes.



Immunohistochemistry (Frozen sections) - Anti-CD45RA antibody [MRC OX-33] (ab33933)

IHC image of CD45RA staining in a section of frozen normal Rat Spleen.

The section was fixed using 10% formaldehyde in 1XPBS for 10 minutes. No antigen retrieval step was performed prior to staining. Non-specific protein-protein interactions were then blocked in TBS containing 0.025% (v/v) Triton X-100, 0.3M glycine and 1% (w/v) BSA for 1h at room temperature. The section was then incubated overnight at +4°C in TBS containing 0.025% (v/v) Triton X-100 and 1% (w/v) BSA with ab33933 at 1 μ g/ml. The section was then incubated with **ab150117** (Goat Anti-Mouse IgG H&L (Alexa Fluor[®] 488) preabsorbed, (Shown in green) 1/1000) for 1 hour at room temperature. DAPI was used to stain the cell nuclei (blue). The secondary-only control insert image is taken from an identical assay without primary antibody. The section was then mounted using Fluoromount[®].

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

For IHC staining systems (automated and non-automated), customers should optimize variable parameters such as antibody concentrations and incubation times.

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