

Anti-CD45RA antibody [4KB5] ab755

リコンビナント

4 References [画像数 3](#)

製品の概要

製品名	Anti-CD45RA antibody [4KB5]
製品の詳細	Mouse monoclonal [4KB5] to CD45RA
由来種	Mouse
アプリケーション	適用あり: IHC-P, Flow Cyt
種交差性	交差種: Human
免疫原	Tissue, cells or virus corresponding to CD45RA. B cell lymphoma
ポジティブ・コントロール	IHC-P: Human tonsil tissue. Flow Cyt: Human peripheral blood mononuclear cells.
特記事項	<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>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</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	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), PBS</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	4KB5
アイソタイプ	IgG1

アプリケーション

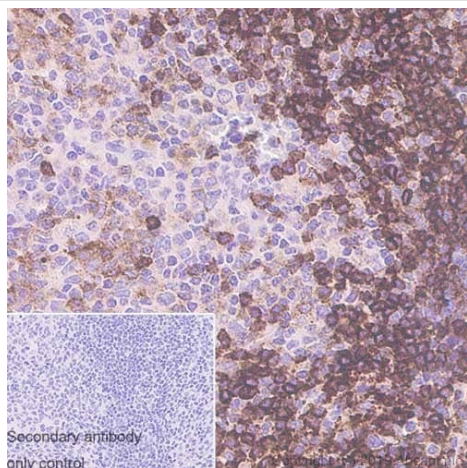
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab755の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
IHC-P		Use a concentration of 0.239 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
Flow Cyt		Use a concentration of 1.017 µg/ml.

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

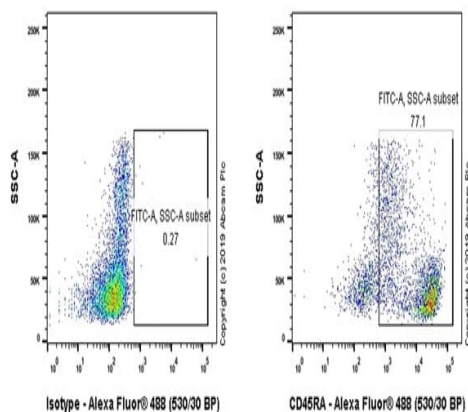


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD45RA antibody [4KB5] (ab755)

Immunohistochemical analysis of paraffin-embedded human tonsil tissue labeling CD45RA with ab755 at 0.239µg/ml, followed by ready to use secondary. Positive staining on human tonsil tissue is observed. The section was incubated with ab755 for 10 mins at RT. The immunostaining staining was performed on a Leica Biosystems BOND[®] RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, followed by ready to use secondary.

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.



Flow Cytometry - Anti-CD45RA antibody [4KB5] (ab755)

Flow cytometric analysis of human peripheral blood mononuclear cell (PBMC) (right) labeling CD45RA with ab755 at 1.017µg/ml compared with mouse monoclonal IgG Isotype Control (left). Goat anti-mouse IgG (Alexa Fluor[®] 488) (**ab150113**) at 1/2000 dilution was used as the secondary antibody.

Gated on viable cells.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-CD45RA antibody [4KB5] (ab755)

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