

### Anti-CD45RA antibody [4KB5] - BSA and Azide free ab256137

リコンビナント

★★★★★ [1 Abreviews](#) [1 References](#) [画像数 3](#)

#### 製品の概要

製品名	Anti-CD45RA antibody [4KB5] - BSA and Azide free
製品の詳細	Mouse monoclonal [4KB5] to CD45RA - BSA and Azide free
由来種	Mouse
アプリケーション	<b>適用あり:</b> IHC-P, Flow Cyt
種交差性	<b>交差種:</b> Human
免疫原	Tissue, cells or virus. This information is proprietary to Abcam and/or its suppliers.
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>ab256137 is the carrier-free version of <a href="#">ab755</a>.</p> <p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a>.</p> <p>Our <b>carrier-free</b> 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.</p> <p>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.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p>

#### 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: 7.2 Constituent: PBS
キャリア・フリー	はい
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

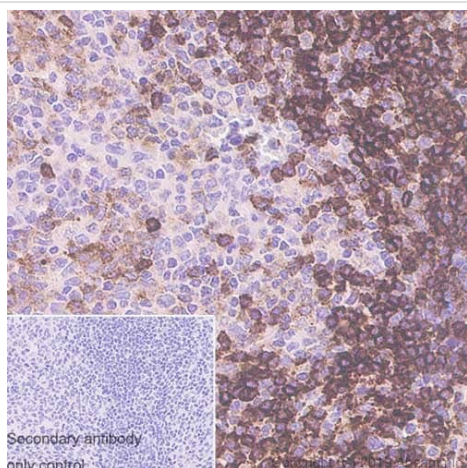
**The Abpromise guarantee**      Abpromise保証は、次のテスト済みアプリケーションにおけるab256137の使用に適用されます  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P	★★★★★ (1)	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



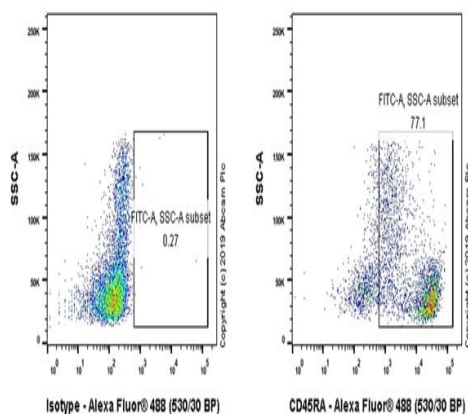
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD45RA antibody [4KB5] - BSA and Azide free (ab256137)

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<sup>®</sup> 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.

This image was produced using the same antibody clone but in a different formulation containing PBS, sodium azide, glycerol and BSA (**ab755**).



Flow Cytometry - Anti-CD45RA antibody [4KB5] - BSA and Azide free (ab256137)

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<sup>®</sup> 488) (**ab150113**) at 1/2000 dilution was used as the secondary antibody.

Gated on viable cells.

This image was produced using the same antibody clone but in a different formulation **ab755**, PBS, sodium azide, glycerol and BSA.

This image was produced using the same antibody clone but in a different formulation containing PBS, sodium azide, glycerol and BSA (**ab755**).

### 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

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(ab256137)

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