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](#).

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.
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. Stable for 12 months at -20°C.

バッファー
pH: 7.40
Preservative: 0.01% Sodium azide
Constituents: 59% PBS, 40% Glycerol, 0.5% BSA

精製度
Protein A purified

ポリモノ
モノクローナル

クローン名
EPR1394Y

アイソタイプ
IgG

アプリケーション

Our Abpromise guarantee covers the use of ab134189 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>アプリケーション</th>
<th>Abreviews</th>
<th>特記事項</th>
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<tbody>
<tr>
<td>WB</td>
<td>1/1000 - 1/10000. Detects a band of approximately 41 kDa (predicted molecular weight: 41 kDa).</td>
<td></td>
</tr>
<tr>
<td>IHC-P</td>
<td>1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.</td>
<td></td>
</tr>
<tr>
<td>Flow Cyt</td>
<td>1/20 - 1/1000. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.</td>
<td></td>
</tr>
<tr>
<td>ICC/IF</td>
<td>1/500.</td>
<td></td>
</tr>
</tbody>
</table>

追加情報
Is unsuitable for IP.

ターゲット情報

細胞内局在
MHC class I: Cell Membrane; Type I membrane protein. HLA B: Membrane.

画像
Immunohistochemical analysis of paraffin-embedded Human tonsil labelling MHC class I with ab134189 at 1/100 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunocytochemistry/ Immunofluorescence analysis of Raji (human Burkitt's lymphoma B lymphocyte) cells labeling MHC class I+HLA A+HLA B with purified ab134189 at 1/500 dilution (4.3 µg/mL). Cells were fixed in 100% Methanol. Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) was used as the secondary antibody at 1/1000 (2 µg/mL) dilution. DAPI (blue) was used as nuclear counterstain.

Overlay histogram showing Raji cells stained with ab134189 (red line). The cells were fixed with 4% paraformaldehyde (10 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 (ab134189, 1/1000 dilution) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H&L) (ab150077) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (0.1µg/1x10^6 cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000
events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter. This antibody gave a positive signal in Raji cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

**Western blot - Anti-MHC class I + HLA A + HLA B antibody [EPR1394Y] (ab134189)**

**All lanes**: Anti-MHC class I + HLA A + HLA B antibody [EPR1394Y] (ab134189) at 1/1000 dilution

**Lane 1**: Raji cell lysate

**Lane 2**: THP1 cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes**: HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size**: 41 kDa

**Observed band size**: 41 kDa

**Please note**: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

**Our Abpromise to you: Quality guaranteed and expert technical support**

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit [https://www.abcam.co.jp/abpromise](https://www.abcam.co.jp/abpromise) or contact our technical team.

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