# Anti-CLEC5A antibody ab203200

## Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-CLEC5A antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Rabbit polyclonal to CLEC5A</td>
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<tr>
<td>Host species</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Tested applications</td>
<td>Suitable for: Flow Cyt, IHC-P, WB</td>
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<tr>
<td>Species reactivity</td>
<td>Reacts with: Mouse, Rat, Human</td>
</tr>
<tr>
<td>Immunogen</td>
<td>Synthetic peptide within Mouse CLEC5A aa 90-130 conjugated to Keyhole Limpet Haemocyanin (KLH). The exact sequence is proprietary. Sequence: S ESPWKDSMDY CATQGSTLAIVNTPEKLKYL QDIAGIENYF</td>
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<tr>
<td>Positive control</td>
<td>Human colon carcinoma tissue; U937 cells</td>
</tr>
</tbody>
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## Properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
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</thead>
<tbody>
<tr>
<td>Storage buffer</td>
<td>Preservative: 0.09% Sodium azide Constituents: 0.01% BSA, 50% Glycerol</td>
</tr>
<tr>
<td>Purity</td>
<td>Protein A purified</td>
</tr>
<tr>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG</td>
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## Applications

Our Abpromise guarantee covers the use of ab203200 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
### Application | Abreviews | Notes
--- | --- | ---
Flow Cyt | 1/20 - 1/100.  
**ab171870** - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.  

IHC-P | 1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.  
Use at 1/50 - 1/200 with fluorescent detection methods.  

WB | 1/100 - 1/1000. Predicted molecular weight: 22 kDa.  

### Target

**Function**  
Functions as a positive regulator of osteoclastogenesis. Cell surface receptor that signals via TYROBP. Regulates inflammatory responses. Acts as a key regulator of synovial injury and bone erosion during autoimmune joint inflammation (By similarity). Critical macrophage receptor for dengue virus serotypes 1-4. The binding of dengue virus to CLEC5A triggers signaling through the phosphorylation of TYROBP, this interaction does not result in viral entry, but stimulates proinflammatory cytokine release.

**Tissue specificity**  
Expressed in peripheral blood monocytes and in the monocyte/macrophage cell lines U-937 and Mono-Mac-6, but not in cell lines of other origins. Expression is down-regulated when monocytes differentiate into dendritic cells.

**Sequence similarities**  
Contains 1 C-type lectin domain.

**Post-translational modifications**  
N-glycosylated. Contains sialic acid residues.

**Cellular localization**  
Cell membrane.

### Images

Immunohistochemical analysis of formalin-fixed paraffin-embedded Human colon carcinoma tissue labeling CLEC5A with ab203200 at 1/200 dilution, followed by conjugation to the secondary antibody and DAB staining.
Flow Cytometric analysis of U937 cells labeling CLEC5A using ab203200 at 1/50 dilution (green) followed by a FITC conjugated secondary, compared to control cells (blue).

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

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