

## Product datasheet

### AP Anti-CD97 antibody [EPR4427] ab308971

Recombinant RabMAb

1 Image

#### Overview

Product name	AP Anti-CD97 antibody [EPR4427]
Description	Alkaline Phosphatase Rabbit monoclonal [EPR4427] to CD97
Host species	Rabbit
Conjugation	Alkaline Phosphatase
Tested applications	<b>Suitable for:</b> Target binding affinity, Antibody labelling
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>This <b>conjugated primary antibody</b> is released using a quantitative quality control method that evaluates binding affinity post-conjugation and efficiency of antibody labeling.</p> <p>For suitable applications and species reactivity, please refer to the unconjugated version of this clone. This conjugated antibody is eligible for Abtrial: learn more <a href="#">here</a>.</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> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Store In the Dark.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.1% Proclin 300 Solution</p> <p>Constituents: 50% Glycerol (glycerin, glycerine), 1% BSA, 0.016% Magnesium chloride, 0.001% Zinc chloride</p>
Purity	Protein A purified

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR4427
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab308971 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
Target binding affinity		Use at an assay dependent concentration.
Antibody labelling		Use at an assay dependent concentration.

## Target


<b>Function</b>	Receptor potentially involved in both adhesion and signaling processes early after leukocyte activation. Plays an essential role in leukocyte migration.
<b>Tissue specificity</b>	Broadly expressed, found on most hematopoietic cells, including activated lymphocytes, monocytes, macrophages, dendritic cells, and granulocytes. Expressed also abundantly by smooth muscle cells. Expressed in thyroid, colorectal, gastric, esophageal and pancreatic carcinomas too. Expression are increased under inflammatory conditions in the CNS of multiple sclerosis and in synovial tissue of patients with rheumatoid arthritis. Increased expression of CD97 in the synovium is accompanied by detectable levels of soluble CD97 in the synovial fluid.
<b>Sequence similarities</b>	Belongs to the G-protein coupled receptor 2 family. LN-TM7 subfamily. Contains 5 EGF-like domains. Contains 1 GPS domain.
<b>Domain</b>	The first two EGF domains mediate the interaction with DAF. A third tandemly arranged EGF domain is necessary for the structural integrity of the binding region. Binding to chondroitin sulfate is mediated by the fourth EGF domain.
<b>Post-translational modifications</b>	Proteolytically cleaved into 2 subunits, an extracellular alpha subunit and a seven-transmembrane subunit.
<b>Cellular localization</b>	Cell membrane and Secreted > extracellular space.

## Images


Why choose a recombinant conjugated antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Guaranteed long-term performance**  
Quantitative quality control

AP Rabbit monoclonal [EPR4427] to CD97  
(ab308971)

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

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- 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

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