abcam

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 Suitable for: Target binding affinity, Antibody labelling

Immunogen Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.

General notes

This **conjugated primary antibody** is released using a quantitative quality control method that

 $evaluates\ binding\ affinity\ post-conjugation\ and\ efficiency\ of\ antibody\ labeling.$

For suitable applications and species reactivity, please refer to the unconjugated version of this

clone. This conjugated antibody is eligible for Abtrial: learn more $\underline{\text{here}}.$

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**.

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 pH: 7.40

Preservative: 0.1% Proclin 300 Solution

Constituents: 50% Glycerol (glycerin, glycerine), 1% BSA, 0.016% Magnesium chloride, 0.001%

Zinc chloride

Purity Protein A purified

1

ClonalityMonoclonalClone numberEPR4427IsotypeIgG

Applications

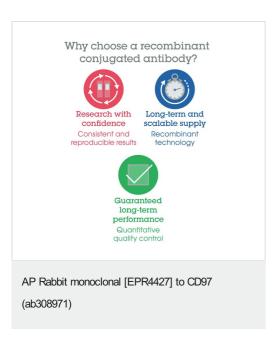
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab308971 in the following tested applications.

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		
Function	Receptor potentially involved in both adhesion and signaling processes early after leukocyte activation. Plays an essential role in leukocyte migration.	
Tissue specificity	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 accompagnied by detectable levels of soluble CD97 in the synovial fluid	
Sequence similarities	Belongs to the G-protein coupled receptor 2 family. LN-TM7 subfamily. Contains 5 EGF-like domains. Contains 1 GPS domain.	
Domain	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.	
Post-translational modifications	Proteolytically cleaved into 2 subunits, an extracellular alpha subunit and a seven-transmembrane subunit.	
Cellular localization	Cell membrane and Secreted > extracellular space.	

Images



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