

## Product datasheet

# Biotin Anti-CD63 antibody [EPR5702] - Late Endosome Marker ab316180

Recombinant RabMAb

[3 Images](#)

### Overview

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<b>Product name</b>	Biotin Anti-CD63 antibody [EPR5702] - Late Endosome Marker
<b>Description</b>	Biotin Rabbit monoclonal [EPR5702] to CD63 - Late Endosome Marker
<b>Host species</b>	Rabbit
<b>Conjugation</b>	Biotin
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	IHC-P: Human tonsil normal
<b>General notes</b>	<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

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, 68% PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR5702

Isotype

IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab316180 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
IHC-P		1/1000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

## Target

### Function

This antigen is associated with early stages of melanoma tumor progression. May play a role in growth regulation.

### Tissue specificity

Dysplastic nevi, radial growth phase primary melanomas, hematopoietic cells, tissue macrophages.

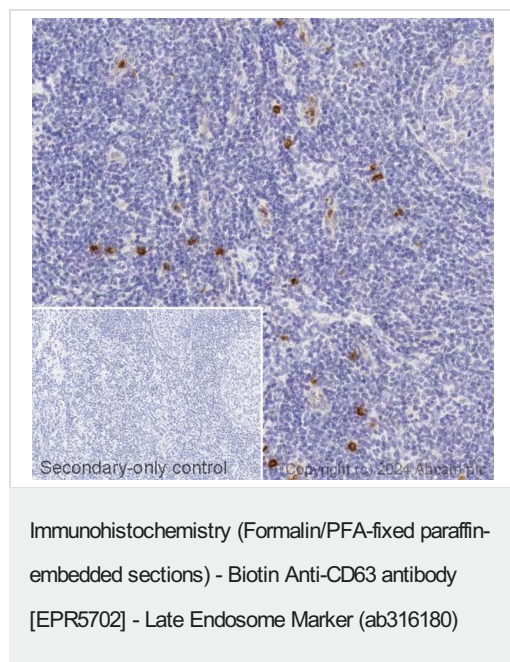
### Sequence similarities

Belongs to the tetraspanin (TM4SF) family.

### Cellular localization

Cell membrane. Lysosome membrane. Late endosome membrane. Also found in Weibel-Palade bodies of endothelial cells. Located in platelet dense granules.

## Images

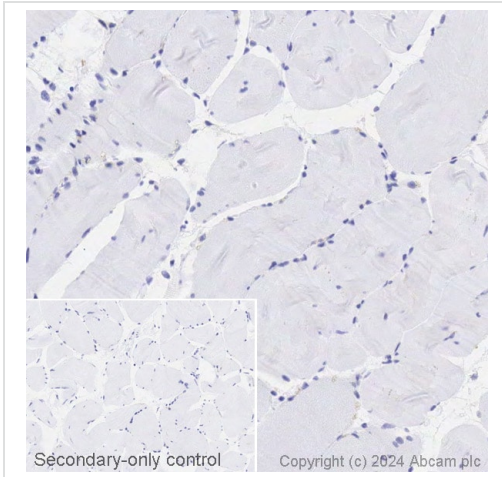


IHC image of CD63 staining in a section of formalin-fixed paraffin-embedded normal human tonsil\*.

Performed on a Leica BOND™ system. The section was pre-treated using heat mediated antigen retrieval with EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20mins, before blocking of endogenous biotin using **ab64212**. The section was then incubated with ab316180 at 0.5 µg/ml, for 15 mins at room temperature and detected using an HRP conjugated ABC system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. The inset secondary-only control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

\*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Biotin Anti-CD63 antibody [EPR5702] - Late Endosome Marker (ab316180)





Negative staining of CD63 in a section of formalin-fixed paraffin-embedded human normal skeletal muscle\*.

Performed on a Leica BOND™ system. The section was pre-treated using heat mediated antigen retrieval with EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20mins, before blocking of endogenous biotin using [ab64212](#). The section was then incubated with ab316180 at 0.5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated ABC system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. The inset secondary-only control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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**Why choose a recombinant antibody?**

 <b>Research with confidence</b> Consistent and reproducible results	 <b>Long-term and scalable supply</b> Recombinant technology
 <b>Success from the first experiment</b> Confirmed specificity	 <b>Ethical standards compliant</b> Animal-free production

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

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