# Anti-CD63 antibody [MX-49.129.5] ab193349

## Overview

**Product name**  
Anti-CD63 antibody [MX-49.129.5]

**Description**  
Mouse monoclonal [MX-49.129.5] to CD63

**Host species**  
Mouse

**Tested applications**  
Suitable for: WB, IHC-P, Flow Cyt, ICC/IF

**Species reactivity**  
Reacts with: Human  
Predicted to work with: Rabbit, Cow, Cat

**Immunogen**  
Full length protein corresponding to Human CD63 aa 1-238.  
Sequence:

```
MAVEGGMKCVFLYLLAFCACAVGLIAVGVGAQL
VLSQTIIQQGATPG
SLLPVVIAVGVFLFLVAFVGCGACKENYCLMITFAIFL
SLILMEVAA
AAGYVFRDKVMSEFNNFRQQHENYPKNHTASILDR
MQADFKCCGAAN
YTDWEEKIPSMSKNRPDSCCINVTVGCGINFEKAIHK
EGCVKIGGWR
KNVLVVAALGIAFVEVLGIIVACCLVKSIRSGYEV
```

Database link: [P08962](#)

**Positive control**  
SK-MEL-28, HL60 or THP-1 cells. Melanoma or lymphoma.

## Properties

**Storage instructions**  

**Storage buffer**  
Preservative: 0.05% Sodium azide  
Constituents: 99% PBS, 0.05% BSA

**Purity**  
Protein A/G purified

**Clonality**  
Monoclonal

**Clone number**  
MX-49.129.5

**Isotype**  
IgG1

[Run BLAST with](#)  
[Run BLAST with](#)
Light chain type
kappa

Applications

Our Abpromise guarantee covers the use of ab193349 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>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td></td>
<td>Use a concentration of 0.5 - 1 µg/ml. Predicted molecular weight: 26 kDa.</td>
</tr>
<tr>
<td>IHC-P</td>
<td></td>
<td>Use a concentration of 0.5 - 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.</td>
</tr>
<tr>
<td>Flow Cyt</td>
<td></td>
<td>Use 0.5-1 µl for 10⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.</td>
</tr>
<tr>
<td>ICC/IF</td>
<td></td>
<td>Use a concentration of 0.5 - 1 µg/ml.</td>
</tr>
</tbody>
</table>

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

Anti-CD63 antibody [MX-49.129.5] (ab193349) at 0.5 µg/ml + Human Spleen at 2 µg

Predicted band size: 26 kDa
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human melanoma tissue labeling CD63 with ab193349. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. The antibody was applied at 0.5 ug/ml for 30 minutes at room temperature.

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