**Product datasheet**

**Anti-CD63 antibody [MX-49.129.5] ab193349**

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**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:

```
MAVEGGMKCVKFLLYVLLAFACACAVGLIAAVGAQLVLSQTIQGATPG
SLLPVVIAGVFLFLVAFVGCCGACKENYCLMITFAIFLSLIMLVEVAA
AIAGYVFRDKVMSEFNNFRQQMNYPKNHHTASILDRMQADFKCCKGAAN
YTDWEKIPSMSKNRVDSCCINVTVGCJOINFEKAIHKEGCEKIGGWLR
KNVLVVAALGIAFVEVLGIVFACCLVKSIAGGEYV
```

**Database link:** P08962

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

**Properties**

**Storage instructions**  Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.

**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

**Light chain type**  kappa
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 0.5-1µl 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**

- **Western blot - 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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