

Product datasheet

Anti-CD57 antibody [SPM129], prediluted ab53653

1 Image

Overview

|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-CD57 antibody [SPM129], prediluted       |
| <b>Description</b>         | Mouse monoclonal [SPM129] to CD57, prediluted |
| <b>Host species</b>        | Mouse   |
| <b>Tested applications</b> | <b>Suitable for:</b> IHC-P                    |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human                     |
| <b>Immunogen</b>           | Human peripheral blood mononuclear cells      |
| <b>Positive control</b>    | Human tonsil.                                 |

Properties

|                             |                                 |
|-----------------------------|---------------------------------|
| <b>Form</b>                 | Liquid                          |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C.  |
| <b>Storage buffer</b>       | Preservative: 0.1% Sodium Azide |
| <b>Purity</b>               | Ammonium Sulphate Precipitation |
| <b>Clonality</b>            | Monoclonal                      |
| <b>Clone number</b>         | SPM129                          |
| <b>Isotype</b>              | IgM                             |
| <b>Light chain type</b>     | kappa                           |

Applications

Our [Abpromise guarantee](#) covers the use of **ab53653** 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

|                          |   |
|--------------------------|---|
| <b>Application notes</b> | IHC-P: Ready-to-use for 10 min at RT.<br>No special pretreatment is required for the immunohistochemical staining of formalin/paraffin tissues. |
|--------------------------|---|

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

## Target

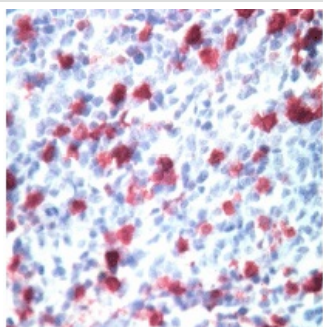
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|                              |  |
|------------------------------|--|
| <b>Function</b>              | Involved in the biosynthesis of L2/HNK-1 carbohydrate epitope on glycoproteins. Can also play a role in glycosaminoglycan biosynthesis. Substrates include asialo-orosomucoid (ASOR), asialo-fetuin, and asialo-neural cell adhesion molecule. Requires sphingomyelin for activity: stearyl-sphingomyelin was the most effective, followed by palmitoyl-sphingomyelin and lignoceroyl-sphingomyelin. Activity was demonstrated only for sphingomyelin with a saturated fatty acid and not for that with an unsaturated fatty acid, regardless of the length of the acyl group. |
| <b>Tissue specificity</b>    | Mainly expressed in the brain.   |
| <b>Pathway</b>               | Protein modification; protein glycosylation.   |
| <b>Sequence similarities</b> | Belongs to the glycosyltransferase 43 family.  |
| <b>Cellular localization</b> | Golgi apparatus membrane.  |

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## Images

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ab53653 used neat staining CD57 in Human Tonsil by Immunohistochemistry, Formalin-fixed, Paraffin embedded tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD57 antibody [SPM129], prediluted (ab53653)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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