



20150216ML

# Anti-Human Jagged-1 (#4A24)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

|                  |                            |
|------------------|----------------------------|
| <b>Cat.-no.:</b> | <b>101-M524</b>            |
| Size:            | 100 µg                     |
| Lot. No.:        | According to product label |

**Preparation:** This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with human recombinant protein of Jagged-1.

## Target Background

|                           |  |
|---------------------------|--|
| <b>Synonyms (Target):</b> | JAG1; AGS; AHD; AWS; HJ1; CD339; JAGL1 |
|---------------------------|--|

JAG1 is a protein associated with Alagille syndrome. JAG1 has also been designated as CD339 (cluster of differentiation 339). The jagged 1 protein encoded by JAG1 is the human homolog of the Drosophila jagged protein. Human jagged 1 is the ligand for the receptor notch 1, the latter a human homolog of the Drosophila jagged receptor notch. Mutations that alter the jagged 1 protein cause Alagille syndrome. Jagged 1 signalling through notch 1 has also been shown to play a role in hematopoiesis.

## Database References Target

|                        |             |
|------------------------|-------------|
| <b>Protein RefSeq:</b> | NP_000205.1 |
| <b>Uniprot ID:</b>     | P78504      |
| <b>mRNA RefSeq:</b>    | NM_000214.2 |

## Product Specifications

|                              |                            |
|------------------------------|----------------------------|
| <b>Host</b>                  | Mouse                      |
| <b>Reactivity against</b>    | Human                      |
| <b>Clonality</b>             | Monoclonal Antibody        |
| <b>Clone</b>                 | (#4A24)                    |
| <b>Isotype</b>               | IgG2                       |
| <b>Purification</b>          | Protein G chromatography   |
| <b>Antigen</b>               | recombinant human Jagged-1 |
| <b>Formulation</b>           | lyophilized                |
| <b>Reconstitution buffer</b> | PBS (sterile)              |

**Reconstitution:** Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

**Stability:** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

**Remarks:** This antibody was selected for its ability to detect human Jagged-1.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

The antibody can be used within the following applications:

WB, FC

**Recommended usage:**

Western Blot: 1:500 - 1:1000

Flow cytometry: 1:50 - 1:200

**NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!**