



## PRODUCT DATA SHEET

**Product:** Anti-Nectin-2 mAb, clone 502-57

**Cat. No.:** MC-195 (1 mL)

**Synonyms:**

PRR2, CD112

**Description:**

Nectin (originally isolated as poliovirus receptor-related protein (PRR)) is a cell-cell adhesion molecule of the immunoglobulin supergene family. Nectin is co-localized with afadin at cadherin-based cell-cell adherence junctions in various tissues and cell lines. The nectin family consists of nectin-1, nectin-2 and nectin-3. Nectin-2 is a plasma membrane adhesion molecule localized at adherens junctions which is widely expressed in various cells lines including neuronal, endothelial, epithelial and hematopoietic cells. Next to its role in adherens junctions it functions as alpha herpes virus receptor and acts also as intercellular adhesion molecule and pseudorabies virus receptor. Disruption of mouse nectin-2 leads to infertility of male mice.

**Specificity:**

Reacts with nectin-2.

**Ig Isotype:**

Rat IgG<sub>2a</sub>

**Species Reactivity:**

Mouse and human. Others not tested.

**Immunogen:**

The extracellular domain of mouse nectin-2.

**Format:**

1 mL of 100 µg/mL purified antibody solution in PBS containing protein stabilizer and 0.02% sodium azide.

**Storage:**

Store at 4°C.

**Applications and Suggested Dilutions:**

- Immunoprecipitation
- Immunoassays
- Immunohistochemistry: (frozen sections)  
Use at a 1:10 dilution.
- Flow cytometry: Use at a 1:10 dilution.
- Western blot: Use at a 1:10 dilution.

Fixation with PFA or acetone/methanol is recommended.

The optimal dilution for a specific application should be determined by the researcher.

**Limitations:**

For *in vitro* research use only. Not for use in diagnostics or in humans.

**Warranty:**

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.