

## Anti-MIEN1 Neutralizing Antibody (V3S-0622-YC2189)

Cat. No.: V3S-0622-YC2189

### Summary

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Description</b>        | <p>This product is a monoclonal antibody derived from mouse, which can specifically recognize MIEN1. The antibody is expressed with mammalian cell transient expression system, serum-free and purified by affinity chromatography. The purity and integrity are tested via SDS-PAGE and SEC-HPLC analysis. Given an antigen, additional QC measures are also desired such as affinity testing and binding validation.</p> <p>Specifically, the antibody is provided in multiple formats for in vivo and in vitro assays. The <i>In vivo</i> version features greater than 95% purity, ultra-low endotoxin levels (&lt;1 EU/mg or 0.1 EU/mg), and is preservative, stabilizer, and carrier protein-free.</p> |
| <b>Clonality</b>          | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Host Species</b>       | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Target Species</b>     | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen</b>          | VV.hC35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Isotype</b>            | IgM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Isotype Control</b>    | C70157; C20351                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Secondary Antibody</b> | C65162; C44647; C64410; C14022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

### Property

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| <b>Expression Species</b> | HEK293F or CHO                                                              |
| <b>Conjugation</b>        | None                                                                        |
| <b>Purity</b>             | >95%, determined by SDS-PAGE and/or SEC-HPLC                                |
| <b>Endotoxin</b>          | <1 EU/mg, determined by LAL method                                          |
| <b>Purification</b>       | Protein A affinity purified                                                 |
| <b>Sterility</b>          | 0.2 µM filtered                                                             |
| <b>Formulation</b>        | PBS, pH 7.4                                                                 |
| <b>Preservation</b>       | No preservatives                                                            |
| <b>Stabilizer</b>         | No stabilizers                                                              |
| <b>Storage</b>            | Store at 4°C within a week. For longer storage, aliquot and store at -20°C. |

For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

## Applications

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**Application** FuncS

**Application Notes** The antibody is recommended for detection of MIEN1 by FuncS assay.

## Target

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**Target** MIEN1

**Alternative Name** MIEN1; migration and invasion enhancer 1; C35; ORB3; XTP4; RDX12; C17orf3

**Gene ID** [84299](#)

**UniProt** [Q9BRT3](#)

**Introduction** Increases cell migration by inducing filopodia formation at the leading edge of migrating cells. Plays a role in regulation of apoptosis, possibly through control of CASP3. May be involved in a redox-related process.

**Research Area** Cell Biology

**Proceedings of R&D** Diseases associated with MIEN1 include Breast Large Cell Neuroendocrine Carcinoma and Prostate Cancer. Gene Ontology (GO) annotations related to this gene include selenium binding. An important paralog of this gene is SELENOV.

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