

## DESCRIPTION

|                           |                                                                                                                                                                                                               |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human/Mouse                                                                                                                                                                                                   |
| <b>Specificity</b>        | Detects human and mouse Olig3 in Western blots. In Western blots, no cross-reactivity with recombinant human (rh) Olig1 or rhOlig2 is observed.                                                               |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>1</sub> Clone # 257934                                                                                                                                                              |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                    |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant human Olig3<br>Met1-Lys272<br>Accession # Q7RTU3                                                                                                                          |
| <b>Formulation</b>        | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.<br>*Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS. |

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

|                     | <b>Recommended Concentration</b> | <b>Sample</b>           |
|---------------------|----------------------------------|-------------------------|
| <b>Western Blot</b> | 1 µg/mL                          | Recombinant Human Olig3 |

## PREPARATION AND STORAGE

|                                |                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reconstitution</b>          | Reconstitute at 0.5 mg/mL in sterile PBS.                                                                                                                                                                                                                                                                                                                |
| <b>Shipping</b>                | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.<br>*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C                                                                                                                       |
| <b>Stability &amp; Storage</b> | <b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>• 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>• 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>• 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul> |

## BACKGROUND

Olig3 belongs to the Olig family of basic-helix-loop-helix (bHLH) transcription factors. It is transiently expressed in different types of embryonic central nervous system progenitors but is absent in later stages of development.