**DESCRIPTION**

**Species Reactivity**  Human

**Specificity**  Detects human Activin C βC subunit in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) Activin A, B, AB, inhibin A, B, or recombinant mouse Activin C is observed.

**Source**  Monoclonal Mouse IgG1, Clone # 203522

**Purification**  Protein A or G purified from hybridoma culture supernatant

**Immunogen**  E. coli-derived recombinant human Activin C βC subunit

**Gly237-Ser352**  Accession # P55103

**Formulation**  Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

*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.*

<table>
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<tr>
<th>Recommended Concentration</th>
<th>Sample</th>
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<tr>
<td>Western Blot</td>
<td>1 μg/mL</td>
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**PREPARATION AND STORAGE**

**Reconstitution**  Reconstitute at 0.5 mg/mL in sterile PBS.

**Shipping**  The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C.

**Stability & Storage**  Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

**BACKGROUND**

Activins belong to the TGF-β superfamily. They are homo- or heterodimers of Activin β subunits. At least four mammalian β subunits, A, B, C, and E, have been described. The βC subunit homodimerizes to form Activin CC. A naturally occurring Activin AC heterodimer has also been reported (1).

**References:**