

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Activin C β C subunit in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) Activin A, B, AB, rhInhibin A, B, or recombinant mouse Activin C is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 203522
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Activin C β C subunit Gly237-Ser352 Accession # P55103
Formulation	Lyophilized from a 0.2 μ m 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 μ m filtered solution in PBS.

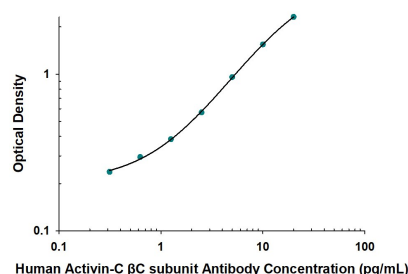
APPLICATIONS

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.

ELISA	This antibody functions as an ELISA capture antibody when paired with Goat Anti-Human Activin C β C subunit Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1629). <i>This product is intended for assay development on various assay platforms requiring antibody pairs.</i>
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DATA

ELISA



Human Activin C ELISA Standard Curve. Recombinant Human Activin C protein was serially diluted 2-fold and captured by Mouse Anti-Human Activin C β C subunit Monoclonal Antibody (Catalog # MAB1629) coated on a Clear Polystyrene Microplate (Catalog # [DY990](#)). Goat Anti-Human Activin C β C subunit Antigen Affinity-purified Polyclonal Antibody (Catalog # [AF1629](#)) was biotinylated and incubated with the protein captured on the plate. Detection of the standard curve was achieved by incubating Streptavidin-HRP (Catalog # [DY998](#)) followed by Substrate Solution (Catalog # [DY999](#)) and stopping the enzymatic reaction with Stop Solution (Catalog # [DY994](#)).

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. <ul style="list-style-type: none"> 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 β _C subunit homodimerizes to form Activin CC. A naturally occurring Activin AC heterodimer has also been reported (1).

References:

1. Mellor, S. *et al.* (2003) *Endocrinology* **144**:4410.