

## Mouse Monoclonal Antibody to SMCP

**Catalogue Number** sAP-0923

**Target Molecule** **Name:** SMCP

**Aliases:** MCS; MCSP; HSMCSGEN1

**MW:** 12.8kDa

**Entrez Gene ID:** 4184

**Description** Sperm mitochondria differ in morphology and subcellular localization from those of somatic cells. They are elongated, flattened, and arranged circumferentially to form a helical coiled sheath in the midpiece of the sperm flagellum. The protein encoded by this gene localizes to the capsule associated with the mitochondrial outer membranes and is thought to function in the organization and stabilization of the helical structure of the sperm's mitochondrial sheath.

**Immunogen** Purified recombinant fragment of human SMCP (AA: FULL(1-116)) expressed in E. Coli.

**Reactive Species** Human;

**Clone** MM5C10D8;

**Size and Concentration** 100µg/1mg/ml

**Supplied as** Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide.

**Reconstitution/Storages** Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage

**Applications** ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: 1 to 200 - 1 to 1000

**Shipping** Regular FEDEX overnight shipment (ambient temperature)

**Reference** 1. Biol Reprod. 1999 Aug;61(2):428-35.; 2. Mol Cell Biol. 2002 May;22(9):3046-52.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**