

Product Name: SMCP Mouse Monoclonal Antibody**Catalog #: AMM81344**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	ICC,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	ICC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	12.8kDa

Antigen Information

Gene Name	SMCP
Alternative Names	MCS; MCSP; HSMCSGEN1
Gene ID	4184.0
SwissProt ID	P49901
Immunogen	Purified recombinant fragment of human SMCP (AA: FULL(1-116)) expressed in E. Coli.

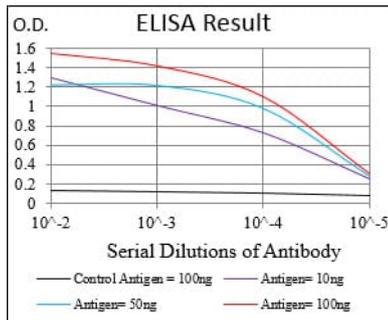
Background

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

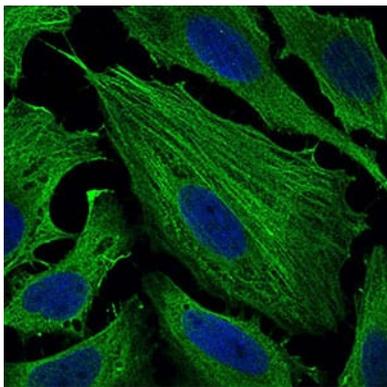
the organization and stabilization of the helical structure of the sperm's mitochondrial sheath.

Research Area

Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Immunofluorescence analysis of HeLa cells using SMCP mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.