



Monoclonal Anti-human SF-1/NR5A1 Antibody

ORDERING INFORMATION

Catalog Number: PP-N1665-00

Clone: N1665

GenBank: U76388

Ig Class: mouse IgG₁

Volume: 100 μ L

Concentration: 1 mg/mL

Formulation: A liquid formulation in physiologic saline with 0.1% NaN₃

Storage: \leq -20° C

Specificity: human SF-1

Applications: Western blot
Direct ELISA
Immunohistochemistry

Description

Steroidogenic Factor 1 (SF-1, AD4BP, FTZ-F1; NR5A1) is considered an orphan nuclear receptor that belongs to subfamily 5. It was found to be a regulator of steroidogenic enzyme gene expression. Oxysterols are suggested as its ligands. It is expressed in all steroidogenic tissues, including the adrenal cortex, testicular Sertoli cells, and Leydig cells, ovarian theca, hypothalamus, and anterior pituitary. SF-1 plays an important role in adrenal and gonadal development, including the hypothalamic-pituitary-gonadal axis and sex determination.

Preparation

Produced in BALB/c mouse ascites inoculated with a hybridoma of spleen cells of a BALB/c mouse immunized with human SF-1 (amino acids 220 - 461) and mouse myeloma cells (NS-1). The IgG fraction of the mouse ascites was purified by ammonium sulfate purification.

Formulation

A liquid formulation in physiologic saline with 0.1% NaN₃.

Storage

This antibody is stable for greater than six months when held at -20° C in a **manual defrost freezer** or at -70°C. Upon thawing, the antibody can be stored at 2° - 8° C for at least 1 month without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody specifically recognizes human SF-1 and cross-reacts with rat SF-1. Not yet tested in other species.

Applications

Western Blot - This antibody can be used at 3 μ g/mL under reducing and non-reducing conditions with the appropriate secondary reagents to detect human SF-1.

Direct ELISA - This antibody can be used at 0.1 μ g/mL with the appropriate secondary reagents to detect human SF-1.

Immunohistochemistry - This antibody can be used at 10 μ g/mL with the appropriate secondary reagents to detect human SF-1.

Optimal dilutions should be determined by each laboratory for each application.

Caution: Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.



Manufactured by:

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