

## Anti human SF-1 mouse monoclonal antibody (ProteinA purified)

SF-1: Steroidogenic factor 1

Code No	PP-N1665-0C
Clone No.	N1665
Lot.	B-2
Concentration	1 mg/mL
Volume	100 uL
Ig Class	G1
Description	SF-1 (AD4BP, FTZF1, NR5A1) is still considered as an orphan nuclear receptor belongs to subfamily 5, It was found as a regulator of steroidogenic enzyme gene expression. Oxysterols are suggested as ligands. Its expressed in all steroidogenic tissues, including adrenal cortex, testicular Sertoli cells and Leydig cells, ovarian theca, hypothalamus and anterior pituitary. SF1 plays an important role in adrenal and gonadal development, such as hypothalamic-pituitary-gonadal axis and sex determination.
Nomenclature	NR5A1
Genbank	U76388
Origin	Produced in serum-free medium with hybridoma of mouse myeloma cells (NS-1) and spleen cells derived from a BALB/c mouse immunized with E.coli-expressed recombinant human SF-1(218-461aa)
Specificity	This antibody specifically recognizes human SF-1 and cross reacts with mouse and rat SF-1.
Purification	Affinity chromatography with Protein A
Formulation	Physiologic saline with 0.1 % NaN <sub>3</sub> .

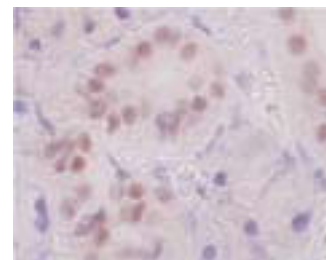
### Application / Recommended Concentration

In order to obtain the best results, optimal working dilutions should be determined by each individual user.

Western Blot	3 ug/mL
Non reducing Western Blot	3 ug/mL
ELISA	0.1 ug/mL (A450=1.0)
Immunoprecipitation	Decide by use
Supershift Assay	Not yet tested
Chromatin immunoprecipitation	Not yet tested
Immunohistochemistry	10 ug/mL



Rat  
Adrenal gland  
paraffin section



Rat  
Salivary gland  
paraffin section

Storage	Store at 2 - 8 °C up to one month. For long-term storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is not recommended. Storage in a frost-free freezer is not recommended.
Reference	Suh JM, <i>et al.</i> Mol Endocrinol. 2006; 20(12): 3412-20 Qin J, <i>et al.</i> Dev Dyn. 2007; 236(3): 810-20
Notes	Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.

FOR RESEARCH ONLY. NOT FOR USE IN HUMANS.

Not for Diagnostic or Therapeutic use. Purchase of this product does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written consent of Perseus Proteomics Inc. is prohibited.

**MADE IN JAPAN**

July 1, 2023