



## *Monoclonal Anti-human DAX1/NR0B1 Antibody*

### ORDERING INFORMATION

**Catalog Number:** PP-H7431-10

**Clone:** H7431

**GenBank:** S74720

**Ig Class:** mouse IgG<sub>2a</sub>

**Size:** 100 µg

**Formulation:** Lyophilized in phosphate-buffered saline

**Reconstitution:** Distilled or deionized water

**Storage:** 2° - 8° C

**Specificity:** human DAX1

**Applications:** Western blot  
Direct ELISA

### *Description*

DSS-AHC critical region on the X chromosome, gene 1 (DAX1, AHCH; NR0B1) is a member of the orphan nuclear receptor family. DAX1 is expressed in the adrenal cortex, ovarian granulosa, theca cells, testicular Leydig cells, Sertoli cells, anterior pituitary gonadotrope cells and the neurons of the ventromedial nucleus of the hypothalamus. DAX1 is involved in controlling development of the hypothalamic-pituitary axis, as well as in gonadal development and sex determination. DAX1 was shown to interact physically with SF-1.

### *Preparation*

Produced in BALB/c mouse ascites inoculated with a hybridoma of spleen cells of a BALB/c mouse immunized with recombinant human DAX1 (amino acids 1 - 80) and mouse myeloma cells (NS-1). The IgG fraction of the ascites fluid was purified by ammonium sulfate fractionation.

### *Formulation*

Lyophilized in phosphate-buffered saline (PBS) with 5% Trehalose.

### *Reconstitution*

Reconstitute with the desired volume of distilled or deionized water. Reconstitution in 0.1 mL of distilled or deionized water yields an antibody concentration of 1 mg/mL.

### *Storage*

Lyophilized samples are stable for up to twelve months from date of receipt when stored at 2° - 8° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for up to 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C in a **manual defrost freezer** for up to six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

### *Specificity*

This antibody specifically recognizes human DAX1. Not yet tested in other species.

### *Applications*

**Western Blot** - This antibody can be used at 1 µg/mL with the appropriate secondary reagents to detect human DAX1.

**Direct ELISA** - This antibody can be used at 0.6 µg/mL with the appropriate secondary reagents to detect human DAX1.

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



#### Manufactured by:

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