**BACKGROUND**

DAZL (deleted in azoospermia-like), an RNA-binding protein that influences spermatogenesis, is an autosomal homolog of the Y chromosome DAZ (deleted in azoospermia). The gene encoding human DAZL maps to chromosome locus 3p24.3. DAZL, like other members of the DAZ family, including BOULE and DAZ, contains a highly conserved RNA-binding motif and a unique DAZ repeat. All DAZ family members are exclusively expressed in germ cells in both male and female gonads. A Thr54-to-Ala mutation within the RNA-recognition domain of DAZL proteins contributes to spermatogenic failure. Infertility in DAZL knockout mice occurs because their germ cells are unable to complete the first meiotic phase in the first wave of spermatogenesis.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: DAZL (human) mapping to 3p24.3; Dazl (mouse) mapping to 17 C.

**SOURCE**

DAZL (E-6) is a mouse monoclonal antibody raised against amino acids 206-295 mapping at the C-terminus of DAZL of human origin.

**PRODUCT**

Each vial contains 200 µg IgG2a kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**STORAGE**

Store at 4° C. **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**APPLICATIONS**

DAZL (E-6) is recommended for detection of DAZL of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation (1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30:1:3000).

Suitable for use as control antibody for DAZL siRNA (h): sc-63280, DAZL siRNA (m): sc-63281, DAZL shRNA Plasmid (h): sc-63280-SH, DAZL shRNA Plasmid (m): sc-63281-SH, DAZL shRNA (h) Lentiviral Particles: sc-63280-V and DAZL shRNA (m) Lentiviral Particles: sc-63281-V.

Molecular Weight of DAZL: 38 kDa.

Positive Controls: human testis extract: sc-363781 or mouse testis extract: sc-2405.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:
1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048.
2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

**DATA**

![DAZL (E-6): sc-390929. Western blot analysis of DAZL expression in human testis (A) and mouse testis (B) tissue extracts.](data:image/png;base64,...)

![DAZL (E-6): sc-390929. Immunofluorescence staining of formalin-fixed A-431 cells showing nuclear and cytoplasmic localization (A). Immunoperoxidase staining of formalin-fixed, paraffin-embedded human testis tissue showing nuclear and cytoplasmic staining of cells in seminiferous ducts (B).](data:image/png;base64,...)

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.