

# QED Bioscience Inc.

ADVANCED ANTIBODY TECHNOLOGIES

## Mouse Sperm Protein sp56 Monoclonal Antibodies

### ORDERING INFORMATION

**Catalog No.:** 55101 thru 55105

**Size:** 100 ug Protein G-purified antibody in PBS, pH 7.4.

### SPECIFICATION SUMMARY

**Antigen:** Mixture of native and formaldehyde-zinc fixed sperm purified through a Percoll gradient.

**Host Species:** Mouse

**Antibody Class:** 55105 = IgG3;  
55101 thru 55104 = IgG1.

**Stabilizers:** None

**Preservatives:** None. Available on request.

### SPECIFICITY AND ACTIVITY

These antibodies specifically recognize mouse sperm protein sp56. They will react with denatured, nonreduced sp56 but not with denatured, reduced sp56.

These antibodies do not cross-react with human sperm. Relative antibody titers for antibody binding to solid phase sp56: 55101 (7C5) =66pM, 55102 (5F12)=4nM, 55103 (4B2) =29nM, 55104 (7H12) =70nM, 55105 (12D2) =400nM.

### APPLICATIONS

These antibodies may be used in immunohistochemistry to localize sp56 on mouse sperm and in immunoblots or ELISA to identify sp56.

### DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

### STORAGE AND STABILITY

These antibodies are stable for at least one (1) year at -20°C to -70°C. Store product in appropriate aliquots to avoid multiple freeze-thaw cycles.

### REFERENCE

Cheng et al. (1994) *J Cell Biol* **125**: 867;  
Bookbinder et al. (1995) *Science* **269**: 86.

*For in vitro investigational use only.*

*Not for use in therapeutic or diagnostic procedures.*