

Mouse Sperm Protein sp56 Antibody

Monoclonal Antibody

Product Information

Product No.: 55101
Clone: 7C5
Isotype: Mouse IgG1
Storage: -20° to -70°C

Product Description

Specificity:

These antibodies specifically recognize mouse sperm protein sp56. They will react with native or denatured, non-reduced 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 = 66pM, 55102 = 4nM, 55103 = 29nM, 55104 = 70nM

Background:

Mouse sperm recognize and bind to ZP3, one of three glycoproteins in the egg's zona pellucida. Mouse Sperm protein sp56 has the characteristics expected of the sperm protein responsible for recognition of ZP3. Primary sequence data indicates that sp56 is a member of a superfamily of protein receptors. Expression of sp56 is restricted to mouse spermatids and is a peripheral membrane protein located on plasma membrane overlying the sperm's acrosome. Native sp56 is expressed as a homomultimer.

Known Reactivity Species:

Hamster, Mouse

Format:

Purified

Immunogen:

Mixture of native and formaldehyde-zinc fixed mouse sperm purified through a Percoll gradient

Formulation

PBS, pH 7.4.

Storage and Stability

These antibodies are stable for at least on (1) year at -20°C to -70°C.

Avoid multiple freeze-thaw cycles.

Product Preparation

Purified by Protein G affinity chromatography

Applications

Applications and Recommended Usage (Quality Tested By Leinco):

These antibodies may be used in Immunohistochemistry on zinc-formaldehyde fixed, paraffin-embedded mouse testes to localize sp56 on mouse sperm and in immunoblots or ELISA to detect sp56.

Country of Origin

USA

References

- 1) Han, F., Liu, C., et al. Cell Death Dis. 2017 Jan 58(1):e2532.

Products are for research use only. Not for use in diagnostic or therapeutic procedures.