

Mouse 4MID[®] Kit

Ref. 4BDX-18K8



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A Functional Assay To Improve Sperm Quality Assessment

Research Use Only Products

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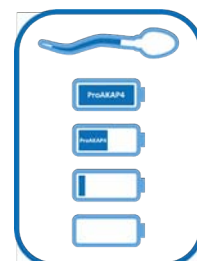


Mouse 4MID[®] Kit (4BDX-18K8)

An Innovative Approach to Assess Sperm Quality and Fertility

ProAKAP4 is a Functional Marker of Sperm Motility and Male Fertility

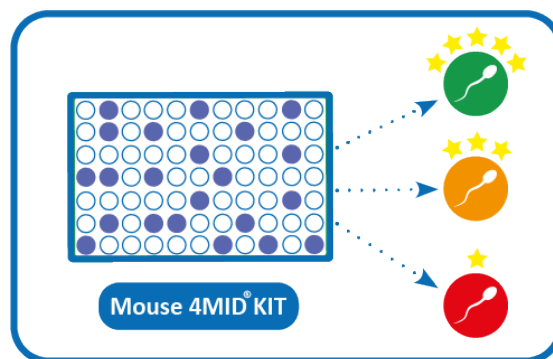
ProAKAP4 is the precursor of AKAP4 that is playing a key role in flagellar structure, capacitation, sperm motility and fertility. Spermatozoa without proAKAP4 are abnormal, immotile and infertile. The concentration of proAKAP4 marker is a good indicator of sperm quality and fertility and of how the spermatozoa will stay motile and fertile over time.



The higher the concentration of proAKAP4 is, the better is the quality of the semen

Applications of the Mouse 4MID[®] Kit:

- Selection of semen with the best quality
- Selection of rodent semen for cryopreservation
- Qualification of each collected semen
- Functional indicator of fertility
- Indicator of spermatogenesis quality
- Improve the preservation of rodent strains



Mouse 4MID[®] Kit Description

Product reference	4BDX-18K8
Specificity	Rodent ProAKAP4
Analytical range	0-150 ng
Number of analysis	1 to 88 samples



The Mouse 4MID[®] Kit (Ref. 4BDX-18K8) is a sandwich ELISA kit that contains all reagents and buffers required for the quantification of proAKAP4 protein in all types of rodent semen sample (fresh, chilled and frozen semen).