

Monoclonal Anti- Müllerian-inhibiting factor, AMH/MIS (Capture or Detection Ab)

Catalog# BDA1048

Lot # Check on the product label

Size 1 mg

Isotype IgG1

Clone # B9

Host Mouse

Reactivity

Human

Product Form Liquid

Purification & Buffer

Protein A or G purified and supplied in 0.9% NaCl without preservative.

Purity >95% by HPLC & SDS-PAGE

Immunogen Recombinant human AMH Protein (Expression system with 293-F cell).

Recommend Application

ELISA

Lateral flow assay (rapid test)

Other applications have not been tested.

The optimal dilutions should be determined by end user.

Matched antibody pair

>> For Lateral flow assay:

Capture Ab: AMH mAb (clone # B9)

Detection Ab: AMH mAb (clone # 2D3)

>> For ELISA assay:

Capture Ab: AMH mAb (clone # B9)

Detection Ab: AMH mAb (clone # B3)

Storage Instruction

Aliquot and store at -20°C for long term (at least for one year).

Avoid repeated freeze and thaw cycles.

Background

Müllerian inhibiting substance/anti-Müllerian hormone (MIS/AMH) is a regulator of the female reproductive system, an indicator of ovarian reserve and a growth inhibitor of Müllerian duct-derived tumors in vivo and in vitro. It is required for sexual differentiation in the fetus, and in adult females AMH is produced by growing ovarian follicles. Consequently, AMH levels are correlated with ovarian reserve, declining towards menopause when the oocyte pool is exhausted. Ruth KS et al findings provide genetic support for the well-established use of AMH as a marker of ovarian reserve. Value of serum AMH concentration has been found not significantly superior to LH/FSH ratio in polycystic ovary syndrome, PCOS diagnosis. Although these biomarkers separately are not adequate for PCOS diagnosis based on their own value, the combination of different endocrine factors including AMH, LH, and LH/FSH ratio together with BMI and other anthropometric and clinical characteristics may offer extra value to establish the diagnosis of PCOS.

Reference

1. Ruth KS, Soares ALG, Borges MC, Eliassen AH, Hankinson SE, Jones ME, Kraft P, Nichols HB, Sandler DP, Schoemaker MJ, Taylor JA, Zeleniuch-Jacquotte A, Lawlor DA, Swerdlow AJ, Murray A. Genome-wide association study of anti-Müllerian hormone levels in pre-menopausal women of late reproductive age and relationship with genetic determinants of reproductive lifespan. *Hum Mol Genet.* 2019 Jan 14.
2. Le MT, Le VNS, Le DD, Nguyen VQH, Chen C, Cao NT. Exploration of the role of anti-Müllerian hormone and LH/FSH ratio in diagnosis of polycystic ovary syndrome. *Clin Endocrinol (Oxf).* 2019 Jan 13.

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