

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

**Catalog#** BDA1049

**Lot #** Check on the product label

**Size** 1 mg

**Isotype** IgG1

**Clone #** 2D3

**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**

Lateral flow assay (rapid test)

Other applications have not been tested.

The optimal dilutions should be determined by end user.

**Matched antibody pair**

Capture Ab: AMH mAb (clone # B9)

Detection Ab: AMH mAb (clone # 2D3)

**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.

FOR RESEARCH USE ONLY, NOT FOR DIAGNOSTIC AND CLINICAL USE.

Chongqing Biospes Co., Ltd Tel: +86-23-67567091 Fax: +86-23-67745923

7F, Bldg B, High-tech Venture Park, # 107 Erlang Chuangye Rd, Jiulongpo District, Chongqing, 400039, China

[www.biospes.com](http://www.biospes.com)