

Anti-Growth Differentiation Factor 9 [72B]

Catalogue number: 153652

Sub-type:

Images:

Contributor

Inventor:

Institute:

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Growth Differentiation Factor 9 [72B]

Alternate name: Growth/differentiation factor 9, GDF-9, GDF9

Class: Monoclonal

Conjugate: Unconjugated

Description: GDF9 is plays a vital role in ovarian folliculogenesis, follicle development and fertility. Clone 72B can be used in assays to detect GDF9 expression and help diagnose ovarian disorders.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Human

Selectivity:

Host: Rat

Immunogen: N-terminal of GDF9, corresponding to sequence KKPLGPASFNLSEYFC

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Ovary

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Growth Differentiation Factor 9

Target alternate names:

Target background: GDF9 is plays a vital role in ovarian folliculogenesis, follicle development and fertility. Clone 72B can be used in assays to detect GDF9 expression and help diagnose ovarian disorders.

Molecular weight: 17.5

Ic50:

Applications

Application: ELISA ; WB

Application notes:

Handling

Format: Liquid

Concentration:

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions: 4° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Li et al. 2015. Mol Endocrinol. 29(1):40-52. PMID: 25394262. ; Modifications of human growth differentiation factor 9 to improve the generation of embryos from low competence oocytes. ;

Simpson et al. 2014. J Clin Endocrinol Metab. 99(4):E615-24. PMID: 24438375. ; Aberrant GDF9 expression and activation are associated with common human ovarian disorders. ; Simpson et al. 2012. Endocrinology. 153(3):1301-10. PMID: 22234469. ; Activation of latent human GDF9 by a single residue change (Gly 391 Arg) in the mature domain. ; Mottershead et al. 2008. Mol Cell Endocrinol. 283(1-2):58-67. PMID: 18162287. ; Characterization of recombinant human growth differentiation factor-9 signaling in ovarian granulosa cells. ; Gilchrist et al. 2004. Biol Reprod. 71(3):732-9. PMID: 15128595. ; Immunoneutralization of growth differentiation factor 9 reveals it partially accounts for mouse oocyte mitogenic activity.

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