

Datasheet: 0100-0662B

Description:	MOUSE ANTI HUMAN FSH ALPHA:Biotin
Specificity:	FSH ALPHA
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	F1 (BGN/F62/01)
Isotype:	IgG1
Quantity:	0.5 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			1/100 - 1/1000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG conjugated to Biotin - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	1.0mg/ml
Immunogen	Native human follicle stimulating hormone.
External Database Links	<p>UniProt: P01215 Related reagents</p> <p>Entrez Gene: 1081 CGA Related reagents</p>
Specificity	Mouse anti Human FSH alpha antibody, clone F1 (BGN/F62/01) detects the alpha subunit of

Follicle-stimulating hormone (FSH alpha). FSH is secreted by the pituitary, and is a member of the glycoprotein hormone family which includes Human chorionic gonadotropin (hCG), Luteinizing hormone (LH), and Thyroid stimulating hormone (TSH).

These hormones are all structurally related and contain a common alpha subunit non-covalently bound to a hormone specific beta subunit, which determines receptor specificity. Both of the subunits are necessary for hormone action.

ELISA	0100-0662B is suitable for use in a two site assay with 0100-0663 bound to the solid phase and this antibody for detection. When tested in a sandwich ELISA the 50% OD was observed at an antibody dilution of 1/160K and the end point titre at 1/5M.
References	1. Dreessen, I.L.E. (2017) Development of a dog-specific Enzyme-Linked Immuno Sorbent Assay (ELISA) for detecting Luteinising Hormone (LH) and Follicle Stimulating Hormone (FSH) in plasma Faculty of Veterinary Medicine Theses Utrecht University Repository
Further Reading	1. Sohn, J. <i>et al.</i> (2003) Orientation of follicle-stimulating hormone (FSH) subunits complexed with the FSH receptor. Beta subunit toward the N terminus of exodomain and alpha subunit to exoloop 3. J Biol Chem. 278 (48): 47868-76.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10040 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

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