

**BM2500****Monoclonal Antibody to Follicle-stimulating hormone / FSH (intact) - Purified**

<b>Alternate names:</b>	FSH beta, FSHB, Follitropin beta chain
<b>Quantity:</b>	1 mg
<b>Concentration:</b>	5.3 mg/ml (OD280, E1% = 14)
<b>Background:</b>	<p>FSH is a pituitary hormone involved in the maturation of ovarian follicles and estrogen secretion in females. In the pituitary gland, FSH is produced by gonadotrophs. In males, FSH stimulates the secretion of testosterone.</p> <p>Follicle stimulating hormone enables ovarian folliculogenesis to the antral follicle stage and is essential for Sertoli cell proliferation and maintenance of sperm quality in the testis. Members of the pituitary glycoprotein hormone family, of which FSH is one (see also luteinizing hormone, chorionic gonadotropin, and thyroid stimulating hormone), consist of a shared alpha chain and a beta chain encoded by a separate gene.</p>
<b>Uniprot ID:</b>	<a href="#">P01225</a>
<b>NCBI:</b>	<a href="#">NP_000501</a>
<b>GeneID:</b>	<a href="#">2488</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	SM10P (for use in human samples), AM03095PU-N
<b>Clone:</b>	090-10243
<b>Immunogen:</b>	High purity intact Human FSH.
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction (> 90% pure by SDS-PAGE). Product is 0.2 µm filtered. <b>Purification:</b> Protein A Chromatography <b>Buffer System:</b> 10 mM Phosphate, pH 7.4 containing 150 mM Sodium Chloride <b>Preservatives:</b> 0.09% Sodium Azide
<b>Applications:</b>	<p>Suitable for use in <b>ELISA</b>.</p> <p><u><i>Recommended antibody pairs for Sandwich Immunoassay:</i></u></p> <p><b>Capture / Detection:</b> BM2498 / BM2500 AM31465PU-N / BM2500</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
<b>Specificity:</b>	<p>FSH specific.</p> <p>Reacts with intact molecule.</p> <p>Does <u>not</u> cross react with other common alpha hormones.</p> <p><b>Affinity Constant:</b> 2 x10<sup>9</sup></p>
<b>Species Reactivity:</b>	<b>Tested:</b> Human.

**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C for longer.  
Avoid repeated freezing and thawing.  
Shelf life: one year from despatch.