

## Monoclonal Antibody to Estrogen Receptor beta 2 / ESR2 - Supernatant

<b>Alternate names:</b>	ER beta, ER-beta, ERbeta, ESR2, ESRbeta, ESTRB, Estrogen Receptor 2, NR3A2, Nuclear Receptor Subfamily 3 Group A Member 2
<b>Catalog No.:</b>	SM1952S
<b>Quantity:</b>	0.4 ml
<b>Background:</b>	Estrogen receptor beta 2 is expressed in cell nuclei of a range of human tissues including the ovary, placenta, testis and vas deferens.
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	57/3
<b>Immunogen:</b>	Synthetic peptide derived from the C terminus of the human oestrogen receptor beta 2 isomer. Spleen cells from immunised Balb/c mice were fused with cells of the SP2/0 myeloma cell line.
<b>Format:</b>	<b>State:</b> Liquid Concentrated Tissue Culture Supernatant containing 0.09% Sodium Azide
<b>Applications:</b>	Immunohistochemistry on paraffin sections: 1/10 - 1/50; This product requires antigen retrieval using heat treatment methods prior to staining of paraffin sections; 0.01M glycine/EDTA pH3.5 or citrate buffer pH6.0 is recommended for this purpose. Recommended Positive Control: Testis. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises the estrogen receptor beta 2 isoform. No cross-reactivity is seen with estrogen receptor beta 1 isoform. <b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Saunders, P. et al. (2002) ER beta 1 and the ER beta 2 splice variant (ER beta CX/ beta 2) are expressed in distinct cell populations in the adult human testes. J. Clin. Endocrinol. Metab. 87:2706-2715. 2. Critchley, T. et al. (2002) Wild Type Estrogen receptor (ER beta 1) and the splice variant (ER beta CX/ beta 2) are expressed within the human endometrium throughout the normal menstrual cycle. J. Clin. Endocrinol. Metab. 87:5265-5273. 3. Gaskell TL, Robinson LL, Groome NP, Anderson RA, Saunders PT. Differential expression of two estrogen receptor beta isoforms in the human fetal testis during the second trimester of pregnancy. J Clin Endocrinol Metab. 2003 Jan;88(1):424-32. PubMed PMID: 12519886.

4. Scobie GA, Macpherson S, Millar MR, Groome NP, Romana PG, Saunders PT. Human oestrogen receptors: differential expression of ER alpha and beta and the identification of ER beta variants. *Steroids*. 2002 Nov;67(12):985-92. PubMed PMID: 12398995.
5. Wong NA, Malcomson RD, Jodrell DI, Groome NP, Harrison DJ, Saunders PT. ERbeta isoform expression in colorectal carcinoma: an in vivo and in vitro study of clinicopathological and molecular correlates. *J Pathol*. 2005 Sep;207(1):53-60. PubMed PMID: 15954165.