## **Estrogen Receptor Beta 1 Monoclonal Mouse** Antibody (ESR2/3005)



Call us: 800-304-5357

## **Product Description**

Estrogen receptors (ER) are members of the steroid/thyroid hormone receptor superfamily of ligand-ac transcription factors. Estrogen receptors, including ER-alpha and ER-beta, contain DNA binding and lig domains and are critically involved in regulating the normal function of reproductive tissues. They are lo nucleus, though some estrogen receptors associate with the cell surface membrane and can be rapidly exposure of cells to estrogen. ER-alpha and ER-beta are differentially activated by various ligands. Rec interactions trigger a cascade of events, including dissociation from heat shock proteins, receptor dime phosphorylation and the association of the hormone activated receptor with specific regulatory element genes. Evidence suggests that ER-alpha and ER-beta may be regulated by distinct mechanisms even share many functional characteristics. Primary antibodies are available purified, or with a selection of fl CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. See the CF® Dy for more information. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and ca higher non-specific background than other dye colors. Stock status: Because Biotium offers a large no antibody and conjugation options, primary antibody conjugates may be made to order. Typical lead tim one week for CF® dye and biotin conjugates, and up to 2-3 weeks for fluorescent protein and enzyme Please email order@biotium.com to inquire about stock status and lead times before placing your orde

A NA  Zing Socialing reshold of fire divided	Product attributes		
	Antibody number	#3005	
	Antibody reactivity (target) Antibody type	ER-beta-1	
		Primary	
	Host species	Mouse	
	Clonality	Monoclonal	
	Clone	ESR2/3005	
	Isotype	IgG2c, kappa	
	Molecular weight	53-59 kDa	
ctivated igand binding ocated in the y activated by ceptor-ligand erization, this in target though they fluorescent ye Brochure	Synonyms	Erb; ESR BETA; ESR2; ESRB; ESTRB; estrogen nuclear receptor beta variant a; estrogen nuclear receptor beta variant b; estrogen receptor 2 (ER beta); estrogen receptor beta 4	
	Human gene symbol	ESR2	
	Entrez gene ID	2100	
	SwissProt	Q92731	
	Unigene	660607	
	Immunogen	Recombinant full-length human ESR2 protein	
can give number of nes are up to conjugates. er.	Antibody target cellular	Nucleus	
	Species reactivity	Human	
	Antibody application notes	For coating for ELISA, order Ab without BSA, Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Optimal dilution and staining procedure for a specific application should be determined by user, Recommended starting concentrations for titration are 1-2 ug/mL for most applications, or 1 ug/million cells/100 uL	

Positive control

Shipping condition

**Storage Conditions** 

Regulatory status

Antibody/conjugate formulation

Validated in protein

Tumor expression

Shelf life

Email: btinfo@biotium.com

for flow cytometry

Room temperature

Monospecific

Breast cancer

(IHC).

MCF-7 cells (FACS/IF). Ovarian, breast, bladder, gastric or salivary carcinoma

Store at 2 to 8 °C, Protect fluorescent

conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C For research use only (RUO)

Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide,

Guaranteed for at least 24 months from date of receipt when stored as recommended

Antibody # prefix	Conjugation	Ex/Em (nm)	Laser line	Detection channel	Dye Features
BNC04	CF®405S	404/431	405	DAPI (microscopy), AF405	CF®405S Features
BNC88	CF®488A	490/515	488	GFP, FITC	CF®488A Features
BNC68	CF®568	562/583	532, 561	RFP, TRITC	CF®568 Features
BNC94	CF®594	593/614	561	Texas Red®	CF®594 Features
BNC40	CF®640R	642/662	633-640	Cy®5	CF®640R Features
BNC47	CF®647	650/665	633-640	Cy®5	CF®647 Features
BNCB	Biotin	N/A	N/A	N/A	
BNUB	Purified	N/A	N/A	N/A	
RNIIM	Purified	N/A	N/A	N/A	

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