

# Product Information



## Estrogen receptor $\beta$ (F region) Monoclonal Antibody

Cat No: G01012 - 100  $\mu$ L

### General Data

<b>Shipping:</b>	wet ice
<b>Formulation:</b>	Liquid Ascite, does not contain any preservative therefore avoid repeat freezing and thawing cycles
<b>Host:</b>	Mouse
<b>Antigen:</b>	synthetic peptide coupled to ovalbumin
<b>Clone:</b>	2D7
<b>Isotype:</b>	IgG1, $\kappa$



<b>Application(s):</b>	ELISA Western Blot (natural and recombinant proteins) Immunofluorescence Immunohistochemistry recommended dilution: 1/500-1/5000
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<b>Specificity:</b>	Mouse and human ER $\beta$ . The peptide used as immunogen derived from the F-region of mouse ER $\beta$ . Clone 4ER $\beta$ -2D7 reacts on ER $\beta$ from mouse and human origin. No cross-reactivity has been observed on ER $\alpha$ .
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### Product Overview

There are two classes of Estrogen Receptors (ER $_i$ ) the first is intracellular and translocate to the Nucleus when activated through binding to 17 beta estradiol. They are named ER alpha and ER beta. The second G protein couples receptors which are membranes proteins and have intracellular signaling function. central ER $\alpha$  signaling is necessary for the actions of GLP-1 on food-reward behavior.

FP/04/24

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