

Estrogen Receptor alpha Antibody (EVG F9)

Lot Number: O1193327
Product Data Sheet

Tested Species Reactivity	Published Species Reactivity
Human (Hu)	Human (Hu)
Rabbit (Rb)	Mouse (Ms)
	Rabbit (Rb)

Tested Applications	Dilution *
Western Blot (WB)	1:500 - 1:2000
Immunofluorescence (IF)	1:100 -1:200
Immunohistochemistry (Paraffin) (IHC (P))	1:200
Immunoprecipitation (IP)	Assay dependent
Published Applications	Dilution

Western Blot (WB)	See publications
Immunohistochemistry (IHC)	See publications
Immunoprecipitation (IP)	See publications

* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Details	
Catalog Number:	MA3-310
Size:	100 µL
Class:	Monoclonal
Type:	Antibody
Clone:	EVG F9
Host / Isotype:	Mouse /
Immunogen:	Mix of synthetic peptides corresponding to residuesT(140) V R E A G P P A F Y R P N S(154) & E(247) V G M M K G G I R K D R R G G R(263) of human ER alpha.

Form Information	
Form:	Liquid
Storage Buffer:	ascites
Preservative:	0.05% sodium azide
Storage Conditions:	-20° C, Avoid Freeze/Thaw Cycles

Product Specific Information	General Information
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MA3-310 detects estrogen receptor alpha in human and rabbit samples.

MA3-310 has been successfully used in immunohistochemistry, immunoprecipitation and Western blot procedures. By Western blot, this antibody detects a ~68 kDa protein representing estrogen receptor alpha in MCF-7 cells, human breast tumors, and rabbit vaginal tissue. In immunohistochemistry this antibody recognizes the estrogen receptor alpha in MCF-7 cells, human breast tissue, and human smooth muscle cells.

The Estrogen Receptor (ER) is a 67 kDa protein and a member of the steroid family of nuclear receptors. ER is a ligand-activated transcription factor and, when bound to estrogen hormone, induces a conformational change that allows dimerization and binding to estrogen response elements (ERE) sequences. When bound to DNA, ER can positively or negatively regulate gene transcription through the recruitment of coactivator (e.g. SRC-1) or corepressor (e.g. NCoR) proteins.

The MA3-310 immunogen is a mix of synthetic peptides corresponding to residuesT(140) V R E A G P P A F Y R P N S(154) & E(247) V G M M K G G I R K D R R G G R(263) of human ER alpha.

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