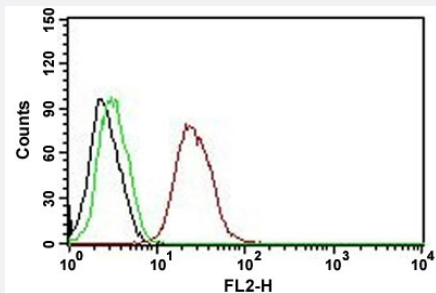


ESR2 monoclonal antibody, clone ERb455 (PE)

Catalog # MAB14209 Size 500 uL

Applications



Flow Cytometry

Flow cytometric analysis of MCF-7 cell with ESR2 monoclonal antibody, clone ERb455 (PE) (Cat # MAB14209) (red). Black: cells alone. Green: isotype control.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human ESR2.
Immunogen	Recombinant protein corresponding to the C-terminus of human ESR2.
Host	Mouse
Theoretical MW (kDa)	53-59
Reactivity	Human
Form	Liquid
Conjugation	PE
Purification	Protein A purification
Isotype	IgG2a
Recommend Usage	Flow Cytometry (5 uL/test/million cells in 0.1 mL or 5 uL/100 uL of whole blood) Immunofluorescence (1:50-1:100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% BSA, 0.05% sodium azide).

Storage Instruction

Store at 4°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunofluorescence
- Flow Cytometry

Flow cytometric analysis of MCF-7 cell with ESR2 monoclonal antibody, clone ERb455 (PE) (Cat # MAB14209) (red). Black: cells alone. Green: isotype control.

Gene Info — ESR2

Entrez GeneID

[2100](#)

Protein Accession#

[Q92731](#)

Gene Name

ESR2

Gene Alias

ER-BETA, ESR-BETA, ESRB, ESTRB, Erb, NR3A2

Gene Description

estrogen receptor 2 (ER beta)

Omim ID

[601663](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a member of the family of estrogen receptors and superfamily of nuclear receptor transcription factors. The gene product contains an N-terminal DNA binding domain and C-terminal ligand binding domain and is localized to the nucleus, cytoplasm, and mitochondria. Upon binding to 17beta-estradiol or related ligands, the encoded protein forms homo- or hetero-dimers that interact with specific DNA sequences to activate transcription. Some isoforms dominantly inhibit the activity of other estrogen receptor family members. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been fully characterized. [provided by RefSeq]

Other Designations

estrogen receptor beta|estrogen receptor beta 4

Disease

- [Abortion](#)

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Aortic Aneurysm](#)
- [Arthritis](#)
- [Asperger Syndrome](#)
- [Atherosclerosis](#)
- [Autistic Disorder](#)
- [Azoospermia](#)
- [Biliary Tract Neoplasms](#)
- [Bone Diseases](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bulimia](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Cell Transformation](#)
- [Cellulitis](#)
- [Cerebrovascular Accident](#)
- [Chorioamnionitis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition Disorders](#)

- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Stenosis](#)
- [Cryptorchidism](#)
- [Dementia](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)
- [Fetal Membranes](#)
- [Fractures](#)
- [Gallstones](#)
- [Gaucher disease](#)
- [Gender Identity](#)
- [Genetic Predisposition to Disease](#)
- [Germinoma](#)
- [Glaucoma](#)
- [Graft vs Host Disease](#)
- [Graves Disease](#)
- [Headache](#)
- [Hip Fractures](#)

- [Hot Flashes](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Hypospadias](#)
- [Infertility](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Leiomyoma](#)
- [Liver Cirrhosis](#)
- [Low Tension Glaucoma](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Menstruation Disturbances](#)
- [Metabolic Syndrome X](#)
- [Microsatellite Instability](#)
- [Migraine Disorders](#)
- [Mood Disorders](#)
- [Myocardial Infarction](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Oligospermia](#)

- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Overweight](#)
- [Parkinson disease](#)
- [Peripheral Vascular Diseases](#)
- [Polycystic Ovary Syndrome](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Premenstrual Syndrome](#)
- [Prenatal Exposure Delayed Effects](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Rectal Neoplasms](#)
- [Recurrence](#)
- [Schizophrenia](#)
- [Scleroderma](#)
- [Scoliosis](#)
- [Seminoma](#)
- [Social Perception](#)
- [Stomach Neoplasms](#)

- [Testicular Neoplasms](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Neoplasms](#)
- [Varicose Ulcer](#)
- [Venous Thrombosis](#)
- [Vision Disorders](#)
- [Werner syndrome](#)