For Research Use Only

CoraLite® Plus 488-conjugated Phospho-Estrogen Receptor α (Ser118) Recombinant monoclonal antibody

Catalog Number:CL488-84564-6

proteintech®
Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL488-84564-6

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC128573

GeneID (NCBI):
2099

UNIPROT ID:
P03372

Full Name:
estrogen receptor 1

Calculated MW:
595 aa, 66 kDa

Observed MW:
66 kDa

Purification Method:
Protein A purification

CloneNo.:
250278F8

Recommended Dilutions:
FC (Intra): 0.13 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human

Positive Controls:

FC (Intra) : MCF-7 cells,

Background Information

Estrogen Receptor α (ERα, gene symbol ESR1) is a member of the nuclear-receptor superfamily that functions as a ligand-dependent transcription factor. Dependent upon cell and promoter context, ERα regulates transcription through its two activation domains, AF-1 and AF-2. AF-2 is contained within the LBD and becomes active upon E2 binding. AF-1 however, is activated by phosphorylation of ERα at several sites, most notably serine 118 (S118) and serine 167 (S167), sites that are regulated by multiple signaling pathways. (PMID: 25597633)

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

1X10^6 MCF-7 cells untreated (dashed lines) or treated with λ phosphatase which intracellularly stained with 0.13 ug Coralite® Plus 488 Phospho-Estrogen Receptor Α (Ser118) Recombinant Antibody (CL488-84564-6, Clone:250278F8)(red), or 0.13 ug Isotype Control (blue). Cells were fixed and permeabilized with Flow Cytometry Phosphorylated Protein Fixation/Permeabilization Kit (PF00026).