



Technical Data Sheet

Diagenode sa

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Product name:

Crude ascites directed against hER-F3-A

(Human Estrogen Receptor F3)

Other names: ERalpha, ESR1

Catalog #: AC-066-100 (Mab-NRF3A6-050)	Type: Monoclonal ChIP grade ChIP-seq grade	Size: 100 µl
Lot #: 001	Source: Mouse	Concentration: Not determined

Description: This antibody has been raised against the human estrogen receptor alpha, using a synthetic peptide.

Specificity: Human: positive
Does not react with chicken; other species not tested

Applications	Suggested dilution	References
ELISA	1:500 -1:5,000	
Dot blotting	Not tested	
Western blotting	1:500 -1:5,000	
Gel Supershift	1:10 – 1:20	
Immunochemistry	1:500 -1:5,000	
Flow cytometry	Not tested	
Immunoprecipitation	1:200 -1:5,000	
ChIP	2.5 µl	(1)

Format: Crude ascites from mouse, containing 5% azide.

Storage: Store at -20°C/ -80°C. Avoid multiple freeze-thaw cycles.

Precautions: This product is for research use only. Not for use in diagnostic or therapeutic procedures.

References:

(1) Welboren W-J and Stunnenberg H (2008) ChIP-Seq profiling of estrogen receptor alpha binding sites using the Illumina Genome Analyzer. Application Note: Illumina Sequencing.

Availability date: April, 2008. Last data sheet update: April 04, 2008

Lot #: 001

Overview

The estrogen receptor alpha (ERalpha, UniProt/Swiss-Prot entry P03372) belongs to the family of nuclear hormone receptors, which are ligand-activated transcription factors. They are important for the regulation of gene expression, cellular proliferation and differentiation, sexual development and reproductive function. Estrogen receptors are also involved in pathological processes such as breast cancer, and osteoporosis. ERalpha can regulate transcription by direct binding to estrogen response elements (EREs) in the DNA or by interaction with other transcription factors. It may also form a heterodimer with ERbeta.