

## CTCF (R339W)

**Catalog Number:** 26326

**Gene Symbol:** CTCF; MRD21

**Description:** Anti-CTCF (R339W) Mouse Monoclonal Antibody

**Background:** Transcriptional repressor

CTCF also known as 11-zinc finger protein or CCCTC-binding factor is a transcription factor that in humans is encoded by the CTCF gene. CTCF is involved in many cellular processes, including transcriptional regulation, insulator activity, recombination and regulation of chromatin architecture.

**Immunogen:** A synthetic peptide from the internal region of CTCF which includes the mutation of R339W, human origin.

**Tested applications:** ELISA, WB, IHC

**Recommended dilutions:**

ELISA: 1:1000-1:5000

WB: 1:500-1:1000

IHC: 1:50-1:100

**Concentration:** 1 mg/ml

**Host:** Mouse

**Clonality:** Monoclonal

**Purity:** Purified from ascites

**Format:** Liquid

**Storage buffer:**

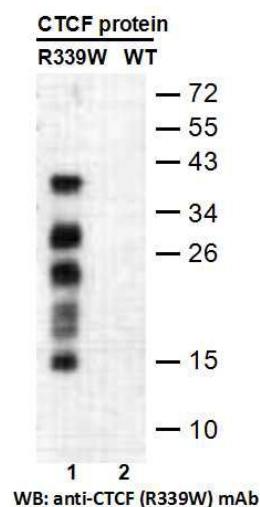
Preservative: no

Constituents: PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 50% glycerol

**Species Reactivity:** Recognizes R339W mutant, but not wild-type CTCF of vertebrates.

**Storage Conditions:** Store at -20°C. Avoid freeze / thaw cycles.

**Western blot:**

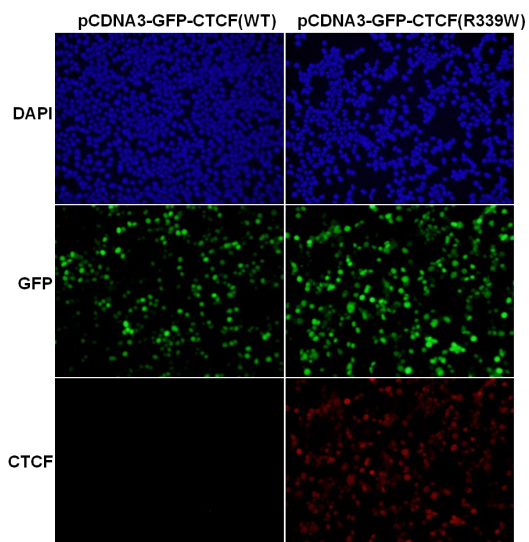


**Western blot analysis of recombinant CTCF (R339W) and wild-type proteins.**

Purified His-tagged CTCF (R339W) protein (lane 1) and corresponding wild-type protein (lane 2) were blotted with anti-CTCF (R339W) monoclonal antibody (Cat. #26326).

For research use only. Not for diagnostic or therapeutic applications.

## Immunofluorescence:



### Immunofluorescence of cells expressing CTCF proteins with anti-CTCF (R339W) antibody.

HEK293T cells were transfected with pCDNA3-GFP-CTCF (WT) plasmid (left column) or pCDNA3-GFP-CTCF (R339W) plasmid (right column), then fixed and stained with anti-CTCF (R339W) monoclonal antibody (Cat. #26326).

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