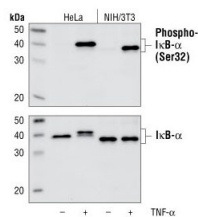


Cat. No:	MAB-94338
Conjugate:	Unconjugated
Size:	100 ul
Clone:	14D4
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Reactivity:	Hu, Ms, Rt, Mk
Applications:	Western Blot: 1:1000 Immunohistochemistry: 1:100-1:300 Immunofluorescence: 1:200-1:1000 Elisa: 1:10000
Molecular Weight:	36 kDa
Purification:	Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Ser32 of human I κ B α .
Background:	The NF- κ B/Rel transcription factors are present in the cytosol in an inactive state complexed with the inhibitory I κ B proteins (1-3). Activation occurs via phosphorylation of I κ B α at Ser32 and Ser36 followed by proteasome-mediated degradation that results in the release and nuclear translocation of active NF- κ B (3-7). I κ B α phosphorylation and resulting Rel-dependent transcription are activated by a highly diverse group of extracellular signals including inflammatory cytokines, growth factors, and chemokines. Kinases that phosphorylate I κ B α at these activating sites have been identified (8) Source/Purification: Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide c
Form:	liquid
Storage:	Store at -20°C, and avoid repeat freeze-thaw cycles.



Western blot analysis of extracts from HeLa and NIH/3T3 cells, untreated or treated with TNF- α for 5 minutes., using Phospho-I κ B- α (Ser32) (14D4) Rabbit mAb (upper), or I κ B- α (44D4) Rabbit mAb (lower).

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