

Technical Data Sheet

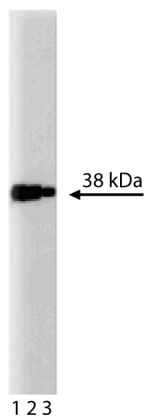
Purified Mouse Anti-Human IκBα

Product Information

Material Number:	610690
Alternate Name:	MAD-3
Size:	50 µg
Concentration:	250 µg/ml
Clone:	25/IκBα/MAD-3
Immunogen:	Human IκBα aa. 145-302
Isotype:	Mouse IgG1
Reactivity:	QC Testing: Human
Target MW:	38 kDa
Storage Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.

Description

NF-κB is a transcription factor that regulates many cytokine and Ig genes involved in immune response, inflammation, and viral infections. NF-κB is induced by cytokines and lipopolysaccharide (LPS), but is inhibited by glucocorticoids. IκBα/MAD-3 inhibits the DNA-binding activity of NF-κB and related transcription factors. In THP-1 monocytic-like cells, LPS induces the phosphorylation and inactivation of IκBα, which results in the activation of NF-κB. Therefore, phosphorylation of IκBα may induce the dissociation of the IκBα/NF-κB complex.



Western blot analysis of IκBα on human endothelial lysate. Lane 1: 1:500, lane 2: 1:1000, lane 3: 1:2000 dilution of anti-IκBα.



Immunofluorescent staining of MCF7 cells with anti-IκBα antibody.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Store undiluted at -20° C.

Application Notes

Application

Western blot	Routinely Tested
Immunofluorescence	Tested During Development
Immunoprecipitation	Tested During Development
Immunohistochemistry	Not Recommended

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Suggested Companion Products

<u>Catalog Number</u>	<u>Name</u>	<u>Size</u>	<u>Clone</u>
611450	Human Endothelial Cell Lysate	500 µg	(none)
554002	HRP Goat Anti-Mouse Ig	1.0 ml	(none)
554001	FITC Goat Anti-Mouse Ig	0.5 mg	Polyclonal

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharming/en/protocols for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

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