

## Anti-MEK-6 MAP2K6 Monoclonal Antibody

Catalog Number: M02011

### About MAP2K6

Indoleamine 2, 3-dioxygenase1 (IDO1) is a 41-42 kD intracellular enzyme that catabolizes tryptophan into kynurenine. IDO1 modulates levels of the amino acid tryptophan, which is vital for cell growth, but is also involved in the suppression of the immune response. IDO1 effects on immune suppression are due to decreased tryptophan availability and the generation of tryptophan metabolites, resulting in negative effects on T lymphocytes, including proliferation, function and survival. IDO1 may be involved in the suppression of the immune response to tumors, and blocking the IDO1 pathway may be a potential target for immuno and cancer therapy. IDO1 is expressed in a wide variety of tissues and can be upregulated by interferon gamma and other inflammatory cytokines.

### Overview

Product Name	Anti-MEK-6 MAP2K6 Monoclonal Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-MEK-6 MAP2K6 Monoclonal Antibody catalog # M02011. Tested in ELISA, Flow Cytometry, IF, WB applications. This antibody reacts with Human, Mouse.
Application	ELISA, Flow Cytometry, IF, WB
Clonality	Monoclonal 3H12C8
Formulation	Ascitic fluid containing 0.03% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P52564

### Technical Details

Immunogen	Purified recombinant fragment of human MEK-6 expressed in E. Coli.
Predicted Reactive Species	Chimpanzee
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	Affinity purification
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this

kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

WB 1:500-1:2000

IF 1:200-1:1000

FC 1:200-1:400

ELISA 1:10000

## Anti-MEK-6 MAP2K6 Monoclonal Antibody (M02011) Images

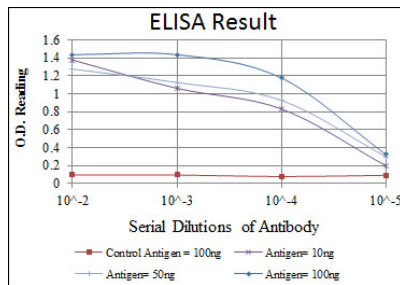


Figure 4. ELISA validation of MAP2K6 using Anti-MEK-6 MAP2K6 Monoclonal Antibody (M02011).

ELISA analysis of MEK-6 antibody.

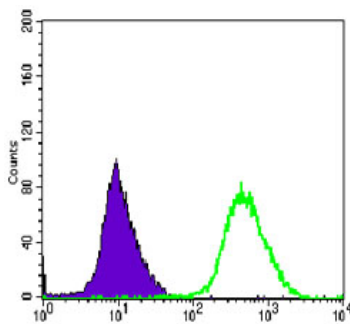


Figure 3. Flow Cytometry validation of MAP2K6 using Anti-MEK-6 MAP2K6 Monoclonal Antibody (M02011).

Flow cytometric (FCM) analysis of HeLa cells using MEK-6 Monoclonal Antibody (green) and negative control (purple).

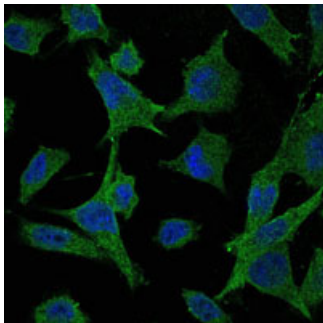


Figure 2. Immunofluorescent staining data of MAP2K6 using Anti-MEK-6 MAP2K6 Monoclonal Antibody (M02011).

Immunofluorescence (IF) analysis of HeLa cells using MEK-6 Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye.

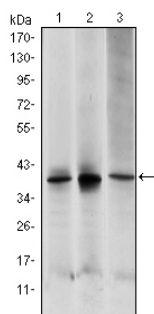


Figure 1. Western blotting validation for Anti-MEK-6 MAP2K6 Monoclonal Antibody M02011

Western Blot (WB) analysis using MEK-6 Monoclonal Antibody against HepG2 (1)

**Submit a product review to Biocompare.com**

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-MEK-6 MAP2K6 Monoclonal Antibody