Recombinant MAX/MYC associated factor X Monoclonal Antibody

catalog number: AN300263P

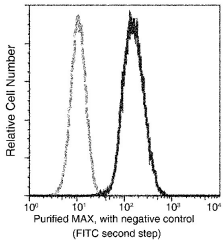
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

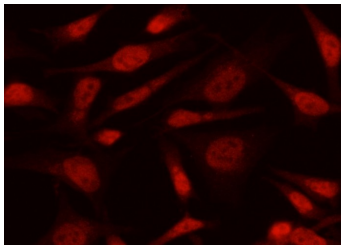
Reactivity	Human
Immunogen	Recombinant Human MAX / MYC associated factor X protein
Host	Rabbit
Isotype	IgG
Clone	B181
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS with 10% Trehalose, pH7.0

Applications	Recommended Dilution
WB	1:500-1:1000
FCM	1:100-1:500
ICC/IF	1:100-1:500
IP	0.2-1 μL/mg of lysate

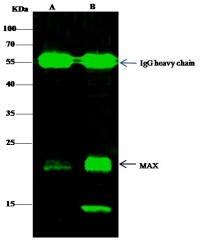
Data

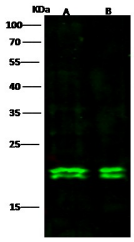


Flow cytometric analysis of Human MAX expression on Raji cells. The cells were stained with purified anti-Human MAX, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



Immunofluorescence analysis of Human MAX in Hela cells. Cells were fixed with 4% PFA, permeabilzed with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human MAX Monoclonal Antibody (1:300) at 37°C 1 hour. Then cells were stained with the Alexa Fluor® 594-conjugated goat Anti-rabbit IgG secondary antibody (red). Positive staining was localized to nucleus.





Immunoprecipitation analysis using 0.5 µL anti-MAX Monoclonal Antibody and 15 µl of 50 % Protein G agarose. Western blot was performed from the immunoprecipitate using MAX Monoclonal Antibody at a dilution of 1:1000. Lane A:0.5 mg Hela Whole Cell Lysate, Lane B:0.5 mg 293T Whole Cell Lysate

Observed-MW:20 kDa

Calculated-MW:18 kDa

Western Blot with MAX / MYC associated factor X Monoclonal Antibody at dilution of 1:500. Lane A: Jurkat Whole Cell Lysate, Lane B: 293T Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

Observed-MW:20 kDa

Calculated-MW:18 kDa

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

The protein encoded by this gene is a member of the basic helix-loop-helix leucine zipper (bHLHZ) family of transcription factors. It is able to form homodimers and heterodimers with other family members, which include Mad, Mxi1 and Myc. Myc is an oncoprotein implicated in cell proliferation, differentiation and apoptosis. The homodimers and heterodimers compete for a common DNA target site (the E box) and rearrangement among these dimer forms provides a complex system of transcriptional regulation. Mutations of this gene have been reported to be associated with hereditary pheochromocytoma. A pseudogene of this gene is located on the long arm of chromosome 4. Alternative splicing results in multiple transcript variants.

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