



Mouse Anti-Human p383-ELK-1 Monoclonal Antibody Datasheet

Product Name: mAb anti-Human p383-ELK-1

Clone No.: B4A12

Catalogue No.: MO-P40002A

Quantity: 0.5 mg/vial

Description: Mouse monoclonal antibody against serine383 phosphorylated human ETS-like transcription factor 1 (p383 ELK-1).

Purification: Protein G affinity purified

Product Type: Primary antibody

Target Protein: Serine383 phosphorylated human ETS-like transcription factor 1 (p383 ELK-1)

Immunogen: A serine383 phosphorylated human ELK-1 peptide fragment conjugated with KLH

Fusion Myeloma: Sp2/0-Ag14

Specificity: Reactive to serine383 phosphorylated human ELK-1 peptide fragment conjugated with KLH or the peptide-BSA conjugate. Not reactive to unconjugated serine383 phosphorylated human ELK-1 peptide, KLH or BSA.

Species Reactivity: Human, others not tested.

Host / Isotype: Mouse, IgG1 Kappa

Formulation: Lyophilized form from a solution of 0.01M PBS, pH7.0

Reconstitution: Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.

Storage: Store at -20°C. Avoid freeze and thaw cycles.

Research Area: Phosphorylation, gene transcription

Background: ELK1 belongs to the EST transcription factor family. Proteins in the family have a unique DNA binding domain that binds to conserved DNA sequences. Phosphorylation of ELK1 at Serine 383 and 389 by mitogen-activated protein kinases (MAPKs) activates ELK1. The binding of ELK1 to target sequences is also regulated by its co-factor, serum response factor (SRF), by alternative splicing, and by SUMOylation. ELK1 regulates the transcription of c-fos and genes encoding cytoskeleton proteins, and was found to play a role in long-term memory formation, drug addiction and other neurological disorders.

Applications: In indirect ELISA, the antibody is reactive to serine383 phosphorylated human ELK-1 peptide conjugated with KLH or the peptide- BSA conjugate. The conjugates were coated at 1µg/ml in pH 9.5 carbonate buffer.

Other applications have not been evaluated.

References: If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

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