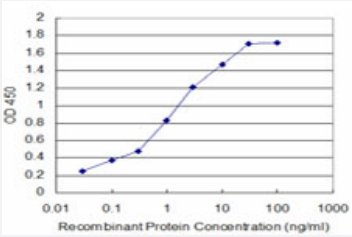
MAX monoclonal antibody (M01), clone 4E10-1A9

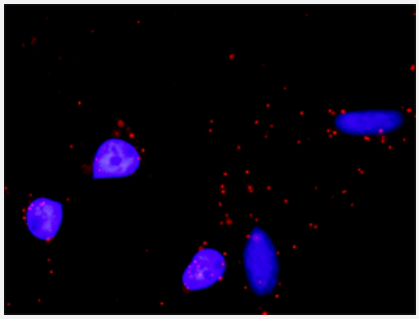
Catalog # H00004149-M01 Size 100 ug

Applications



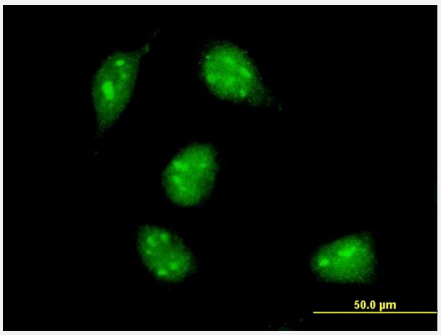
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MAX is approximately 0.1ng/ml as a capture antibody.



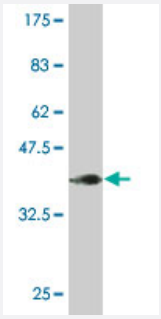
In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between MAPK14 and MAX. HeLa cells were stained with anti-MAPK14 rabbit purified polyclonal 1:1200 and anti-MAX mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Immunofluorescence

Immunofluorescence of monoclonal antibody to MAX on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (42.35 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant MAX.
Immunogen	MAX (AAH03525, 1 a.a. ~ 151 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSDNDDIEVESDADKRAHHNALERKRRDHIKDSFHSLRDSVPSLQGEKASRAQILDKATEYIQYM RRKNHTHQQDIDDLKRQNALLEQQVRALEKARSSAQLQTNYPSSDNSLYTNAKGSTISAFDGGSD SSSESEPEEPQSRKKLRMEAS
Host	Mouse
Reactivity	Human
Isotype	IgG2a kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (42.35 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged MAX is approximately 0.1ng/ml as a capture antibody.

  Protocol Download

- ELISA

- *In situ* Proximity Ligation Assay (Cell)

  Proximity Ligation Analysis of protein-protein interactions between MAPK14 and MAX. HeLa cells were stained with anti-MAPK14 rabbit purified polyclonal 1:1200 and anti-MAX mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

- Immunofluorescence

  Immunofluorescence of monoclonal antibody to MAX on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — MAX

Entrez GeneID	4149
GeneBank Accession#	BC003525
Protein Accession#	AAH03525
Gene Name	MAX
Gene Alias	MGC10775, MGC11225, MGC18164, MGC34679, MGC36767, bHLHd4, bHLHd5, bHLHd6, bHLHd7, bHLHd8, orf1
Gene Description	MYC associated factor X
Omim ID	154950
Gene Ontology	Hyperlink
Gene Summary	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 t arget site (the E box) and rearrangement among these dimer forms provides a complex system of transcriptional regulation. Multiple alternatively spliced transcript variants have been described for this gene but the full-length nature for some of them is unknown. [provided by RefSeq
Other Designations	MAX protein|helix-loop-helix zipper protein|myc-associated factor X

Pathway

- MAPK signaling pathway
- Pathways in cancer

- Small cell lung cancer