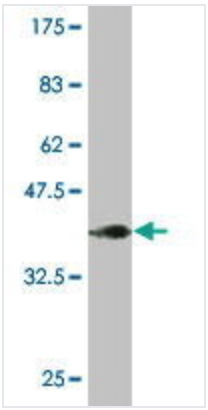
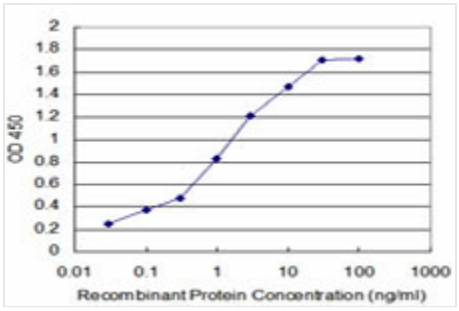
MAX Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

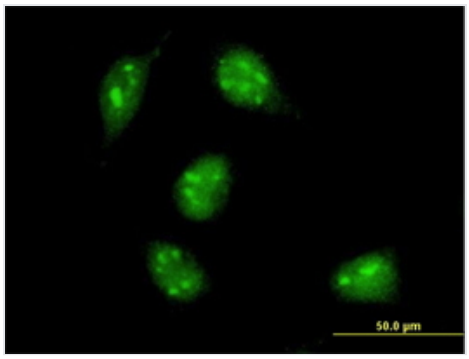
Product Name	MAX, Monoclonal Antibody
Full Product Name	MAX (Protein Max, Class D Basic Helix-loop-helix Protein 4, bHLHd4, Myc-associated Factor X, BHLHD4) (PE)
Product Gene Name	anti-MAX antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	4E10-1A9
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human MAX.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	9,599 Da
Immunogen	Full length recombinant corresponding to aa1-151 from human MAX (AAH03525) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MSDNDDIEVESDADKRAHHNALERKRRDHIKDSFHSLRDSVPSLQGEKASRAQILDKATEYIQYMRRKNHTHQQDIDDLKRQNALLEQQVRALEKARSSA
Conjugate	PE
Product Categories/Family for anti-MAX antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-MAX antibody	ELISA (EIA), Immunofluorescence (IF), Western Blot (WB)
Application Notes for anti-MAX antibody	IF: 10ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-MAX antibody	MBS6158754 is an antibody targeting MAX. Also known as MAX (Protein Max, Class D Basic Helix-loop-helix Protein 4, bHLHd4, Myc-associated Fact
Other Notes	Small volumes of anti-MAX antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



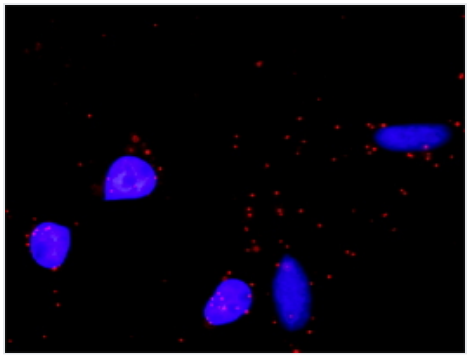
Western Blot (WB) of anti-MAX antibody
Western Blot detection against Immunogen (42.35kD).



Testing Data of anti-MAX antibody
Detection limit for recombinant GST tagged MAX is ~0.1ng/ml as a capture antibody.



Immunofluorescence (IF) of anti-MAX antibody
Immunofluorescence of monoclonal antibody to MAX on HeLa cell. [antibody concentration 10ug/ml]



Testing Data of anti-MAX antibody
Proximity Ligation Analysis (PLA) of protein-protein interactions between MAPK14 and MAX HeLa cells were stained with MAPK14 rabbit purified polyclonal 1:1200 and MAX mouse monoclonal antibody 1:50. Signals were detected 30 Detection Kit 613 (red), and nuclei were counterstained with DAPI (blue). Each red dot represents the detection of protein-protein interaction complex.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MAX. It may not necessarily be applicable to this product.

NCBI GI #	13097617
NCBI GeneID	4149
NCBI Accession #	BC003525
NCBI Related Accession #	AAH03525
UniProt Secondary Accession #	P25912; P52163; Q14803; Q96CY8; A6NH73; A8K265; A8K4G4; A8K824
UniProt Related Accession #	P61244
NCBI Official Full Name	Homo sapiens MYC associated factor X, mRNA
NCBI Official Synonym Full Names	MYC associated factor X
NCBI Official Symbol	MAX
NCBI Official Synonym Symbols	bHLHd4
Protein Family	Protein max
NCBI Protein Information	protein max

NCBI Summary for MAX	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 7. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]
Research Articles on MAX	**1.** The introduction of wild-type MAX cDNA into PC12 cells significantly decreased MYC's ability to bind to canonical E-boxes, while pathogenic MAX proteins were not able to fully repress MYC activity. Further clinical and molecular evaluation of variant carriers corroborated the results obtained with the functional assessment.
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