



Catalog: OM209453

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c-Myc Antibody (A-14) Alexa Fluor® 488

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☐ 100ul

Product profile

Product name	c-Myc Antibody (A-14) Alexa Fluor® 488
Antibody Type	Tags Antibodies
Modification Notes	c-Myc-, N-Myc- and L-Myc-encoded proteins function in cell proliferation, differentiation and neoplastic disease. Myc proteins are nuclear proteins with relatively short half lives. Amplification of the c-Myc gene has been found in several types of human tumors including lung, breast and colon carcinomas, while the N-Myc gene has been found amplified in neuroblastomas. The L-Myc gene has been reported to be amplified and expressed at high level in human small cell lung carcinomas. The presence of three sequence motifs in the c-Myc COOH terminus, including the leucine zipper, the helix-loop-helix and a basic region provide initial evidence for a sequence-specific binding function. A basic region helix-loop-helix leucine zipper motif (bHLH-Zip) protein, designated Max, specifically associates with c-Myc, N-Myc and L-Myc proteins. The c-Myc-Max complex binds to DNA in a sequence-specific manner under conditions where neither Max nor Myc exhibit appreciable binding. Max can also form heterodimers with at least two additional bHLH-Zip proteins, Mad and Mxi1, and Mad-Max dimers have been shown to repress transcription through interaction with mSin3.

Key Feature

Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	WB ,IP ,IF ,IHC ,FC ,ELISA ,GS ,ChIP
Species Reactivity	Human Mouse Rat
Concentration	1mg/ml
Purification	Affinity purified

Target Information

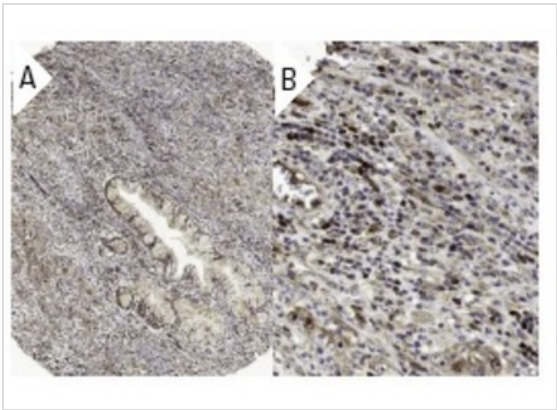
Alternative Names	epitope mapping near the C-terminus of c-Myc of human origin
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Database Links

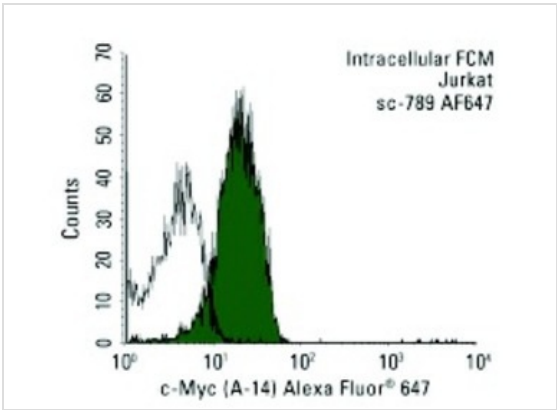
Entrez Gene

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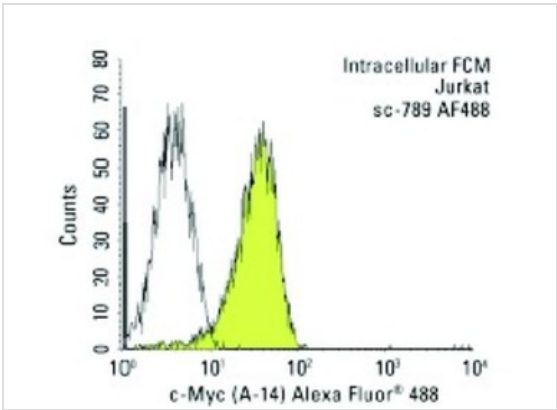
Application



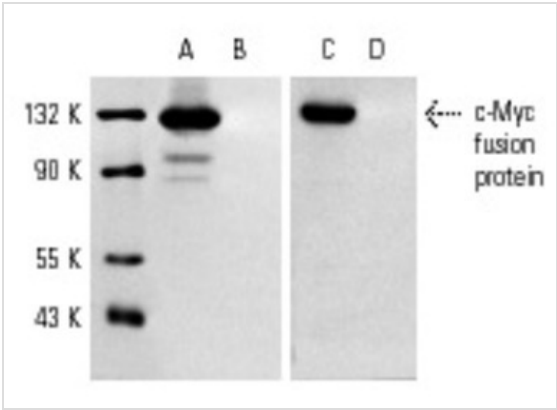
Application
Immunoperoxidase staining of formalin fixed, paraffin-embedded human cervical cancer tissue showing nuclear and cytoplasmic staining of tumor cells at low (A) and high (B) magnification. Kindly provided by The Swedish Human Protein Atlas (HPA) program.



Application
Intracellular FCM analysis of fixed and permeabilized Jurkat cells. Black line histogram represents the isotype control, normal rabbit IgG: .

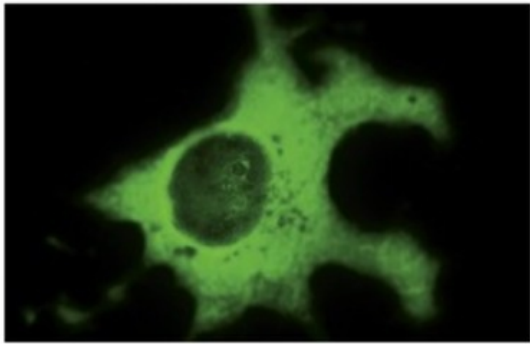


Application
Intracellular FCM analysis of fixed and permeabilized Jurkat cells. Black line histogram represents the isotype control, normal rabbit IgG: .

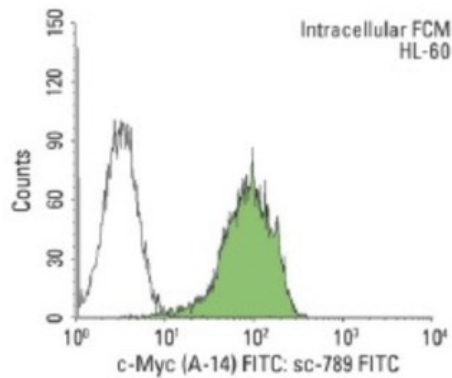


Application
Antibodies tested include c-Myc (A-14): (A,B) and c-Myc (A-14)-G: (C,D).

Application

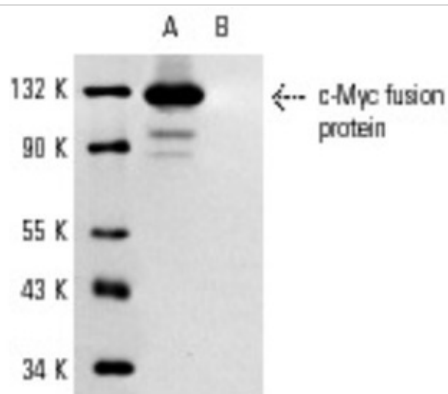


Immunofluorescence staining of methanol-fixed COS cells transfected with c-Myc fusion protein showing cytoplasmic staining.



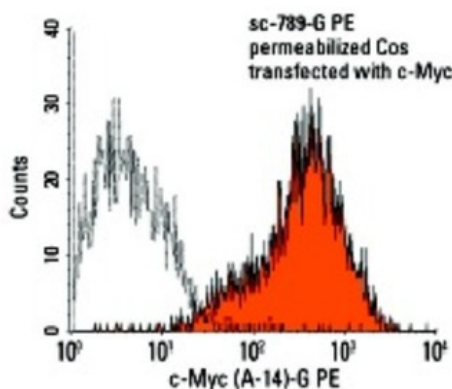
Application

Intracellular FCM analysis of fixed and permeabilized HL-60 cells. Black line histogram represents the isotype control, normal rabbit IgG: .



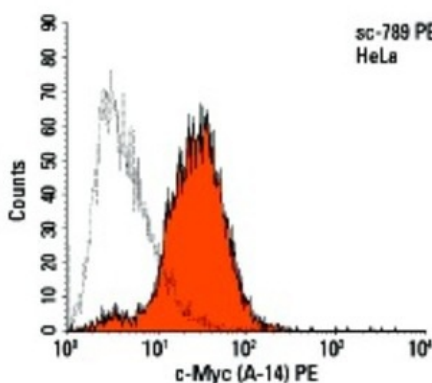
Application

Western blot analysis of whole cell lysates prepared from COS cells transfected with a c-Myc fusion protein (A) and non-transfected (B) cells.



Application

Intracellular FCM analysis of methanol permeabilized COS cells transfected with c-Myc. Solid black line histogram represents control goat IgG.



Application

Intracellular FCM analysis of methanol permeabilized HeLa cells. Solid black line histogram represents control goat IgG.

Application Notes	recommended for detection of c-Myc p67 and 9E10 Myc tagged fusion proteins of human and monkey origin by WB, IP, IF, IHC(P), FCM and ELISA; only minimal cross-reactivity with c-Myc of mouse and rat origin:
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Additional Information

Form	Liquid
Storage Instructions	For short-term storage, store at 4° C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Storage Buffer	phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Note	The product is for research use only, not for use in diagnostic or therapeutic procedures.

OmnimAbs.com

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt
