

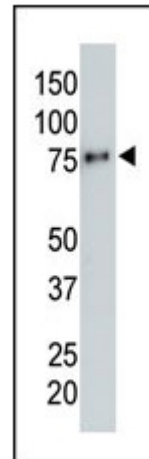
**AM11008SU-N****Monoclonal Antibody to HA Epitope Tag (YPYDVPDYA) - Ascites**

<b>Quantity:</b>	0.4 ml
<b>Concentration:</b>	lot specific
<b>Background:</b>	Epitope tags consisting of short sequences recognized by well-characterized Monoclonal Antibodies have been widely used in the study of protein expression in various systems. The HA tag (YPYDVPDYA) and Myc Tag (AEEQKLISEEDLLRKRREQLKHKLE), recognized by monoclonal antibody clones 12CA5 and 9E10, respectively, are illustrative examples.
<b>Host / Isotype:</b>	Mouse / IgG2b
<b>Clone:</b>	12CA5
<b>Immunogen:</b>	KLH conjugated synthetic peptide encoding HA tag (YPYDVPDYA) was used as antigen.
<b>Format:</b>	<b>State:</b> Liquid <b>Purification:</b> Protein G column, followed by dialysis against PBS <b>Preservatives:</b> 0.09% (W/V) Sodium Azide
<b>Applications:</b>	<b>ELISA:</b> 1/1,000. <b>Western blotting:</b> 1/1,000. <b>ChIP</b> (See Ref.1). <b>Immunoprecipitation</b> (See Ref.2). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This monoclonal antibody (Clone 12CA5) provides a simple solution to detect the expression of an HA-tagged protein in cells.
<b>Storage:</b>	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Guo M, Thomas J, Collins G, Timmermans MC. Direct repression of KNOX loci by the ASYMMETRIC LEAVES1 complex of Arabidopsis. <i>Plant Cell</i> . 2008 Jan;20(1):48-58. doi: 10.1105/tpc.107.056127. Epub 2008 Jan 18. PubMed PMID: 18203921. 2. Chen S, Liu X, Yue P, Schönthal AH, Khuri FR, Sun SY. CCAAT/enhancer binding protein homologous protein-dependent death receptor 5 induction and ubiquitin/proteasome-mediated cellular FLICE-inhibitory protein down-regulation contribute to enhancement of tumor necrosis factor-related apoptosis-inducing ligand-induced apoptosis by dimethyl-celecoxib in human non small-cell lung cancer cells. <i>Mol Pharmacol</i> . 2007 Nov;72(5):1269-79. Epub 2007 Aug 7. PubMed PMID: 17684158. 3. Choe EA, Liao L, Zhou JY, Cheng D, Duong DM, Jin P, et al. Neuronal morphogenesis is regulated by the interplay between cyclin-dependent kinase 5 and the ubiquitin ligase mind bomb 1. <i>J Neurosci</i> . 2007 Aug 29;27(35):9503-12. PubMed PMID: 17728463. 4. Hu J, Straub J, Xiao D, Singh SV, Yang HS, Sonenberg N, et al. Phenethyl isothiocyanate, a cancer chemopreventive constituent of cruciferous vegetables, inhibits cap-dependent translation by regulating the level and phosphorylation of 4E-

BP1. Cancer Res. 2007 Apr 15;67(8):3569-73. PubMed PMID: 17440067.  
 5. Mamidipudi V, Zhang J, Lee KC, Cartwright CA. RACK1 regulates G1/S progression by suppressing Src kinase activity. Mol Cell Biol. 2004 Aug;24(15):6788-98. PubMed PMID: 15254245.  
 6. Kolodziej PA, Young RA. Epitope tagging and protein surveillance. Methods Enzymol. 1991;194:508-19. PubMed PMID: 1706460.  
 7. Sells MA, Chernoff J. Epitope-tag vectors for eukaryotic protein production. Gene. 1995 Jan 23;152(2):187-9. PubMed PMID: 7530674.

**Pictures:**

**Figure 1.** HA-tagged recombinant protein was expressed in COS7 cells. 15 µg of cell lysate was loaded onto a gel to test the HA tag antibody (AM11008SU-N).



**Figure 2.** Western blot analysis of anti-HA Tag Antibody in 12tag recombinant protein. 12tag recombinant protein was detected using the purified Mab.

