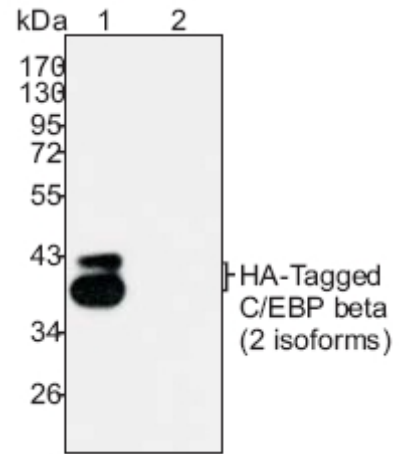


AM20783PU-N**Monoclonal Antibody to HA Epitope Tag (YPYDVPDYA) - Aff - Purified**

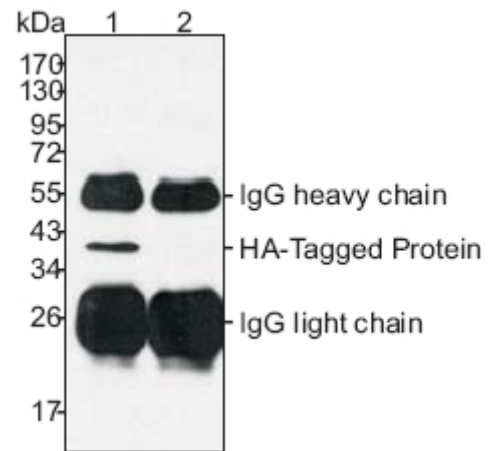
Alternate names:	HA Tag, HA-Tag, Hemagglutinin Tag
Quantity:	0.1 ml
Background:	Plasmid vectors for the expression of coding regions of eukaryotic genes in bacterial, insect and mammalian hosts are in common usage; such expression vectors are frequently used to encode hybrid fusion proteins consisting of a eukaryotic target protein and a specialized region designed to aid in the purification and visualization of the target protein. For example, the pCDM8 expression vector and derivatives thereof encode fusions between the target protein and an 11 amino acid peptide derived from the influenza protein hemagglutinin (HA). The HA epitope tag is useful in Western blotting and immunohistochemical localization of expressed fusion proteins when examined with antibodies raised specifically against the HA-epitope tag.
Host / Isotype:	Mouse / IgG1
Clone:	26D11
Immunogen:	Synthetic peptide containing the Infuenza Hemagglutinin epitope (YPYDVPDYA) (KLH-coupled).
Format:	State: Liquid purified Ig fraction
Applications:	ELISA: 1/2000. Western blot: 1/5000. Incubate membrane with diluted antibody in 5% w/v nonfat dry milk, 1 TBS, 0.05% Tween-20 at 4°C with gentle shaking, overnight. Immunoprecipitation: 1/100. Immunofluorescence: 1/1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects over-expressed proteins containing the HA epitope tag.
Add. Information:	Use an anti-Mouse secondary antibody to detect the 26D11 antibody.
Storage:	Store the antibody 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.
General Readings:	1. Hopp, T.P., Prickett, K.S., Price, V.L., Libby, R.T., March, C.J., Cerretti, D.P., Urdal, D.L. and Conlon, P.J. 1988. A short polypeptide marker sequence useful for recombinant protein identification and purification. <i>Nat. Biotechnol.</i> 6: 1204-1210. 2. Smith DB, Johnson KS. Single-step purification of polypeptides expressed in <i>Escherichia coli</i> as fusions with glutathione S-transferase. <i>Gene.</i> 1988 Jul 15;67(1):31-40. PubMed PMID: 3047011.

Pictures:

Western blot analysis of 293T cells transfected (Lane 1) with a HA-tagged protein and a mock transfection (Lane 2, using the same protein without the HA tag), using HA-Tag (26D11) Mouse Monoclonal Antibody at a 1/5000 dilution. Each lane was loaded with 10 µg of cell lysate.



Immunoprecipitation of extracts from 293T cells transfected (Lane 1) with a HA-tagged protein and a mock transfection (Lane 2, using the same protein without the HA tag), using HA-Tag (26D11) Mouse Monoclonal Antibody and probed on Western blot using the same antibody. Dilution: 1/100 (1), 1/100 (2).



Immunofluorescence analysis of 293T cells transfected with a HA-tagged protein, using HA-Tag (26D11) Mouse Monoclonal Antibody at a 1/1000 dilution.

