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Product Data Sheet

Anti-HA.11 Epitope Tag

Catalog # / Size: 901513 / 200 µl
901514 / 500 µl
901515 / 1 ml

Previously: Covance Catalog# MMS-101R

Clone: 16B12

Isotype: Mouse IgG1, îº

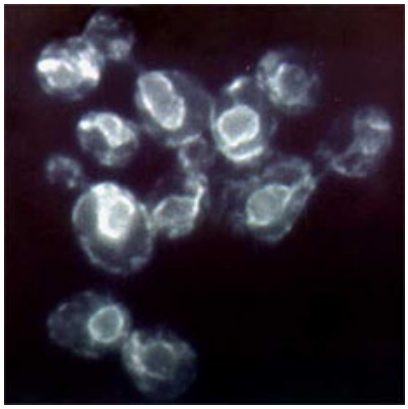
Immunogen: Monoclonal antibody HA.11 (HA, 16B12, flu tag) was raised against the twelve amino acid peptide CYPYDVPDYASL.

Reactivity: YPYDVPDYA Tag

Preparation: Ascites

Concentration: The concentration is not quantified as this product is sold as undiluted crude mouse ascites fluid. The concentration might vary from lot-to-lot and an estimated concentration would be 1-3 mg/ml.

Storage: Store at -20°C. Upon initial thawing, apportion into working aliquots and store at -20°C. Avoid repeated freeze-thaw cycles to prevent denaturing the antibody. For long-term storage, keep the antibody at -80°C.



Immunofluorescence of HA.11 tagged Sbhlp protein. Photo courtesy of J Brown and I Davis, UCSF.

Applications:

Applications: WB, IF, IP
FC - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting.

The optimal working dilution should be determined for each specific assay condition.
- **WB:** 1:1,000*
- **IF:** 1:1,000
- **IP:** 1:150

Application Notes: This antibody is effective in immunoblotting (WB), immunofluorescence (IF), and immunoprecipitation (IP) of tagged proteins.

*Our Posi-Tag Control Protein (Cat. No. 931301) can be used as a helpful positive control for this antibody.

This second-generation HA antibody is an excellent substitute for the 12CA5 monoclonal antibody. HA.11 recognizes the influenza hemagglutinin epitope (YPYDVPDYA) which has been used extensively as a general epitope tag in expression vectors. The extreme specificity of the antibody allows unambiguous identification and quantitative analysis of the tagged protein. The HA.11 antibody recognizes HA epitopes located in the middle of protein sequences as well as at the N- or C-terminus.

Application References:

1. Pecot MY, Malhotra V. Golgi membranes remain segregated from the endoplasmic reticulum during mitosis in mammalian cells. *Cell 116*:99-107, 2004.
2. Kim JY, Sun Q, Oglesbee M, Yoon SO. The role of ErbB2 signaling in the onset of terminal differentiation of oligodendrocytes in vivo. *J Neurosci 23(13)*:5561-5571, 2003. **[IP, WB]**
3. Helliwell SB, Losko S, Kaiser CA. Components of a ubiquitin ligase complex specify polyubiquitination and intracellular trafficking of the general amino acid permease. *J Cell Biol 153(4)*:649-662, 2001. **[WB]**
4. Bennett BD, Denis P, Haniu M, Teplow DB, Kahn S, Louis JC, Citron M, Vassar R. A furin-like convertase mediates propeptide cleavage of BACE, the Alzheimer's beta -secretase. *J Biol Chem 275(48)*:37712-37717, 2000. **[IF, IP, WB]**

5. Kolodziej P, Young R. Epitope tagging and protein surveillance. *Meth Enzymol 194*:508-519, 1991.
6. Field J, Nikawa J, Broek D, MacDonald B, Rodgers K, Wilson I, Lerner R, Wigler M. Purification of RAS responsive adenylyl cyclase complex from Saccharomyces cervisiae by use of an epitope addition method. *Mol Cell Biol 8* :2159-2165, 1988.
7. Royer Y, *et al.* 2005. *J. Biol. Chem.* 29:27251. **(FC)**
8. Smith BA, *et al.* 2012. *Genes Cancer.*3:550. (IHC) PubMed

Description: The HA tag (hemagglutinin) is an amino acid sequence derived from the human influenza hemagglutinin surface glycoprotein, corresponding to amino acids 98-106. It is commonly used as a tag to facilitate detection, isolation, and purification of proteins. The full amino acid sequence is: YPYDVPDYA.

Other Names: HA epitope tag, HA1, HA2, hemagglutinin, Hemagglutinin HA1 chain, Hemagglutinin HA2 chain, YPYDVPDYA, Hemagglutinin tag

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Related Products:

Product	Clone	Application
Alexa Fluor® 488 anti-HA.11 Epitope Tag	16B12	IF, FC, ICC
Anti-HA Tag	Poly9023	WB, IP
Anti-HA.11 Epitope Tag Affinity Matrix	16B12	Purification
Biotin anti-HA.11 Epitope Tag	16B12	WB, IHC, IF, IP
HA Peptide Tag		ELISA, IP, WB
Purified anti-HA.11 Epitope Tag	16B12	WB, IF, IP

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