

Alexa Fluor® 647 anti-HA.11 Epitope Tag Antibody

Catalog# / Size	682404 / 100 µg
Clone	16B12
Regulatory Status	RUO
Other Names	HA epitope tag, HA1, HA2, hemagglutinin, Hemagglutinin HA1 chain, Hemagglutinin HA2 chain, YPYDVPDYA, Hemagglutinin tag
Isotype	Mouse IgG1, κ
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.

Product Details

Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Monoclonal antibody HA.11 was raised against the twelve amino acid peptide CYPYDVPDYASL.
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 647 under optimal conditions.
Concentration	0.5 mg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested ICC - Verified
Recommended Usage	<p>Each lot of this antibody is quality control tested by immunocytochemistry. For immunocytochemistry, a concentration range of 0.1-10 µg/mL is recommended. It is recommended that the reagent be titrated for optimal performance for each application.</p> <p>* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.</p> <p>Alexa Fluor® and Pacific Blue™ are trademarks of Life Technologies Corporation.</p> <p>View full statement regarding label licenses</p>
Excitation Laser	Red Laser (633 nm)
Application Notes	<p>Additional tested and reported applications of the 16B12 clone for the relevant formats include: western blot (WB), immunocytochemistry (ICC), immunoprecipitation (IP), and flow cytometry (FC).</p> <p>*Our Posi-Tag Control Protein (931301) can be used as a helpful positive control for this antibody.</p> <p>This second-generation HA antibody is an excellent substitute for the 12CA5 monoclonal antibody. The HA.11 antibody 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.</p>
Application References	<ol style="list-style-type: none">1. Kim JY, <i>et al.</i> 2003. <i>J Neurosci.</i> 23:5561. (IP, WB)2. Helliwell SB, <i>et al.</i> 2001. <i>J Cell Biol.</i> 153:649. (WB)3. Bennett BD, <i>et al.</i> 2000. <i>J Biol Chem.</i> 275:37712. (IF, IP, WB)4. Royer Y, <i>et al.</i> 2005. <i>J. Biol. Chem.</i> 29:27251. (FC)
(PubMed link indicates BioLegend citation)	

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RRID

AB_2566616 (BioLegend Cat. No. 682404)

Antigen Details

Biology Area Cell Biology

Gene ID NA

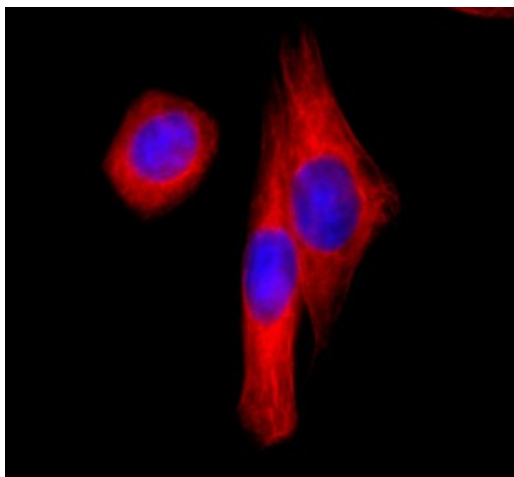
Related Protocols

[Immunocytochemistry Staining Protocol](#)

Other Formats

Anti-HA.11 Epitope Tag Affinity Matrix, Alexa Fluor® 488 anti-HA.11 Epitope Tag, Alexa Fluor® 594 anti-HA.11 Epitope Tag, Anti-HA.11 Epitope Tag, Biotin anti-HA.11 Epitope Tag, FITC anti-HA.11 Epitope Tag, Purified anti-HA.11 Epitope Tag, Alexa Fluor® 647 anti-HA.11 Epitope Tag, PE anti-HA.11 Epitope Tag, Direct-Blot™ HRP anti-HA.11 Epitope Tag, Ultra-LEAF™ Purified anti-HA.11 Epitope Tag, Brilliant Violet 421™ anti-HA.11 Epitope Tag, PE/Dazzle™ 594 anti-HA.11 Epitope Tag, PE/Cyanine7 anti-HA.11 Epitope Tag, Pacific Blue™ anti-HA.11 Epitope Tag, APC anti-HA.11 Epitope Tag, PerCP/Cyanine5.5 anti-HA.11 Epitope Tag, TotalSeq™-C1131 anti-HA.11 Epitope Tag, TotalSeq™-A1131 anti-HA.11 Epitope Tag, TotalSeq™-B1131 anti-HA.11 Epitope Tag

Product Data



HA tag stably transfected CHO cells were fixed with ice cold methanol for five minutes, and blocked with 5% FBS for 30 minutes. Then the cells were intracellularly stained with 1 µg/ml Alexa Fluor® 647 conjugated (red) anti-HA.11 Epitope Tag antibody (clone 16B12) in blocking buffer for two hours at room temperature. Nuclei were counterstained with DAPI (blue). The image was captured with a 60X objective.

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