

Product datasheet

DyLight® 488 Anti-Hemagglutinin antibody [16B12] ab117488

★★★★★ 1 Abreviews 1 References 1 Image

Overview

Product name	DyLight® 488 Anti-Hemagglutinin antibody [16B12]
Description	DyLight® 488 Mouse monoclonal [16B12] to Hemagglutinin
Host species	Mouse
Conjugation	DyLight® 488. Ex: 493nm, Em: 518nm
Tested applications	Suitable for: ICC/IF, Flow Cyt
Immunogen	The influenza hemagglutinin epitope (YPYDVPDYA).
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 1.6% Sodium phosphate, 0.88% Sodium chloride, 1% BSA
Purity	Protein G purified
Clonality	Monoclonal
Clone number	16B12
Isotype	IgG1

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab117488 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF	★★★★★ (1)	1/500 - 1/5000.
Flow Cyt		Use at an assay dependent concentration.

Target

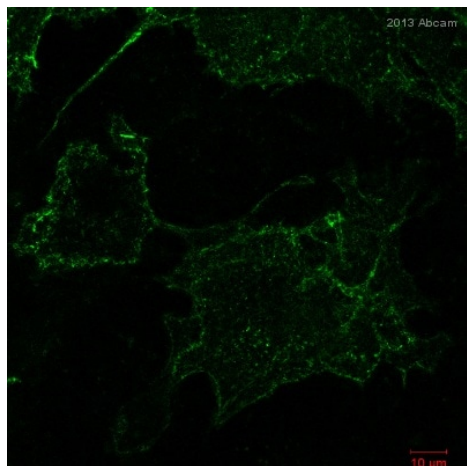
Relevance

Hemagglutinin (HA) is a class I viral fusion protein from Influenza virus. It is a major glycoprotein, comprising over 80% of the envelope proteins present in the virus particle. HA binds to sialic acid-containing receptors on the cell surface, bringing about the attachment of the virus particle to the cell, and is responsible for penetration of the virus into the cell cytoplasm by mediating the fusion of the membrane of the endocytosed virus particle with the endosomal membrane. The extent of infection into host organism is determined by HA. In natural infection, inactive HA is matured into HA1 and HA2 outside the cell by one or more trypsin-like, arginine-specific endoproteases secreted by the bronchial epithelial cells. The HA protein is a homotrimer of disulfide-linked HA1-HA2. It also plays a major role in the determination of host range restriction and virulence. Genetic variation of hemagglutinin and/or neuraminidase genes results in the emergence of new influenza strains.

Cellular localization

Cell membrane; apical cell membrane; single-pass type I membrane protein.

Images



ab117488 staining Hemagglutinin in Monkey cos7 cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with formaldehyde. Samples were incubated with primary antibody (1/100) for 1 hour at 22°C.

Immunocytochemistry/ Immunofluorescence -
DyLight® 488 Anti-Hemagglutinin antibody [16B12]
(ab117488)

This image is courtesy of an Abreview submitted by Ya Zhou

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