



# Rabbit Anti-Influenza A H7N7

## Hemagglutinin/HA monoclonal antibody, clone S113 (CABT-ZB735)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

#### Specificity

It reacts with H7N9 Hemagglutinin/HA

It has cross-reactivity in ELISA with H7N9 (A/Hangzhou/1/2013) HA, H7N9 (A/Shanghai/2/2013) HA, H7N9 (A/Hangzhou/3/2013) HA, H7N9 (A/Shanghai/1/2013) HA, H7N9 (A/Anhui/1/2013) HA, H7N9 (A/Pigeon/Shanghai/S1069/2013) HA, H7N9 (A/Shanghai/4664T/2013) HA, H7N9 (A/Zhejiang/DTID-ZJU10/2013) HA, H7N9 (A/Zhejiang/1/2013) HA, H7N3 (A/turkey/Italy/214845/2002) HA, H7N7 (A/Netherlands/219/03) HA, H7N7 (A/chicken/Netherlands/1/03) HA, H7N7 (A/equine/Kentucky/1a/1975) HA, H7N8 (A/mallard/Netherlands/33/2006) HA, H7N1 (A/turkey/Italy/4602/99) HA.

It has no cross-reactivity in ELISA with H1N1 (A/California/07/2009) HA, H2N2 (A/Canada/720/2005) HA, H3N2 (A/Brisbane/10/2007) HA, H4N6 (A/mallard/Ohio/657/2002) HA, H5N1 (A/Anhui/1/2005) HA, H6N1 (A/northern shoveler/California/HKWF115/2007) HA, H8N4 (A/pintail duck/Alberta/114/1979) HA, H9N2 (A/Hong Kong/1073/99) HA, H10N3 (A/duck/Hong Kong/786/1979) HA, H11N2 (A/duck/Yangzhou/906/2002) HA, H12N5 (A/green-winged teal/ALB/199/1991) HA, H13N8 (A/black-headed gull/Netherlands/1/00) HA, H15N8 (A/duck/AUS/341/1983) HA, H16N3 (A/black-headed gull/Sweden/5/99) HA.

Target	H7N7 HA
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	IAV
Clone	S113
Purification	Protein A purified

<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, ELISA(cap), FC, HAI This antibody will detect Influenza A H7N7 Hemagglutinin/HA in antibody pair set. [ABPR-ZB315]
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	50 µL, 100 µL, 1 mL
<b>Buffer</b>	PBS
<b>Preservative</b>	None
<b>Storage</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	<p>The influenza viral Hemagglutinin (HA) protein is a homotrimer with a receptor binding pocket on the globular head of each monomer. HA has at least 18 different antigens. These subtypes are named H1 through H18. HA has two functions. Firstly, it allows the recognition of target vertebrate cells, accomplished through the binding to these cells' sialic acid-containing receptors. Secondly, once bound it facilitates the entry of the viral genome into the target cells by causing the fusion of the host endosomal membrane with the viral membrane. The influenza virus Hemagglutinin (HA) protein is translated in cells as a single protein, HA, or hemagglutinin precursor protein. For viral activation, hemagglutinin precursor protein (HA) must be cleaved by a trypsin-like serine endoprotease at a specific site, normally coded for by a single basic amino acid (usually arginine) between the HA1 and HA2 domains of the protein. After cleavage, the two disulfide-bonded protein domains produce the mature form of the protein subunits as a prerequisite for the conformational change necessary for fusion and hence viral infectivity.</p>
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<b>Keywords</b>	Influenza A virus HA H7N7; IAV HA H7N7; H7N7 HA
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## GENE INFORMATION

<b>Synonyms</b>	Influenza A virus HA H7N7; IAV HA H7N7; H7N7 HA
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