



# Mouse Anti-IAV H1N1 (A/New Caledonia/20/99) HA Monoclonal Antibody, Clone 4541 (CABT-CS760)

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

## PRODUCT INFORMATION

<b>Specificity</b>	Reacts with H1 (A/New Caledonia/20/99)), not react with other H1 and other subtypes.
<b>Target</b>	H1N1 HA
<b>Immunogen</b>	Recombinant HA1 protein (A/New Caledonia/20/99)(H1N1) (Genebank No. ABF21272)
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	IAV
<b>Clone</b>	4541
<b>Conjugate</b>	unconjugated
<b>Applications</b>	WB, ELISA, IP, IF
<b>Format</b>	Liquid
<b>Concentration</b>	1 mg/mL
<b>Size</b>	100 µg
<b>Buffer</b>	PBS
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C; Stable for 6-months from the date of shipment when kept at 4°C.

## BACKGROUND

### Introduction

Influenza hemagglutinin (HA) is a homotrimeric glycoprotein found on the surface of influenza viruses and is integral to its infectivity. HA is a Class I Fusion Protein, having multifunctional activity as both an attachment factor and membrane fusion protein. Therefore, HA is responsible for binding Influenza virus to sialic acid on the surface of target cells, such as cells in the upper respiratory tract or erythrocytes, causing as a result the internalization of the virus. Secondly, HA is responsible for the fusion of the viral envelope with the late endosomal membrane once exposed to low pH (5.0-5.5).

### Keywords

H1N1 HA; IAV; IAV H1N1; IAV H1N1 HA; H1N1; Influenza A haemagglutinin H1; H1N1 haemagglutinin

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