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Product datasheet

Anti-Dengue Virus prM glycoprotein antibody [DM1] ab41473

9 References   2 Images

Overview

Product name	Anti-Dengue Virus prM glycoprotein antibody [DM1]
Description	Mouse monoclonal [DM1] to Dengue Virus prM glycoprotein
Host species	Mouse
Specificity	This antibody reacts with the pre-membrane glycoprotein of Dengue Virus 2 in Western blot. In ELISA, it recognises prM glycoprotein from Dengue Virus 1,2,3 and 4.
Tested applications	**Suitable for:** ICC/IF, WB, ELISA
Species reactivity	**Reacts with:** Dengue virus 2
Immunogen	Full length native protein purified from Dengue Virus 2 (16681) infected supernatant.
General notes	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.
	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

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Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.1% Proclin 150 Constituents: 10% BSA, 89.9% RPMI 1640
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	DM1
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee   Our **Abpromise guarantee** covers the use of ab41473 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		1/5 - 1/20.
WB		1/50 - 1/100. Use under non reducing condition. Detects a band of approximately 21 kDa (predicted molecular weight: 21 kDa).
ELISA		Use at an assay dependent dilution.

Target

Relevance   There are three structural proteins found in Dengue virus - E glycoprotein, anchored capsid (anC) and pre-membrane (prM). prM cleavage occurs in the final stages of virion maturation. This results in the dissociation of prM-E glycoprotein dimers which allows E glycoprotein to mediate fusion with the host cell membrane.

Images

Western blot - Anti-Dengue Virus prM glycoprotein antibody [DM1] (ab41473)
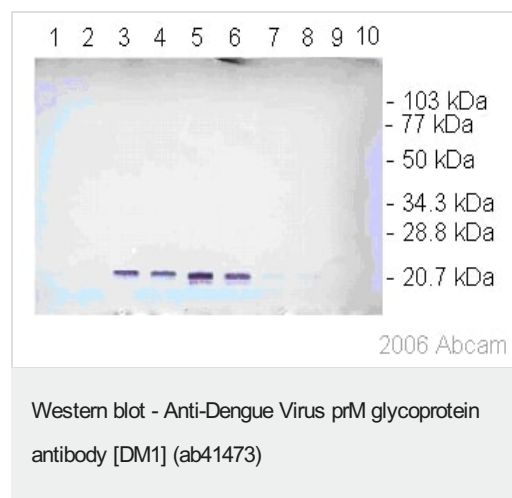
All lanes : Anti-Dengue Virus prM glycoprotein antibody [DM1] (ab41473)

Lanes 1-2 : Dengue Virus 1 infected C6/36 cell lysate
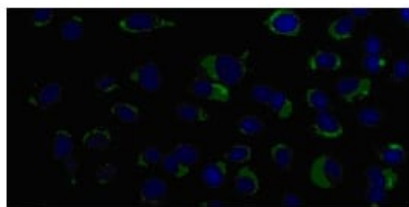**Lanes 3-4 :** Dengue Virus 2 (NGC) infected C6/36 cell lysate
Lanes 5-6 : Dengue Virus 2 (16681) infected C6/36 cell lysate
Lanes 7-8 : Dengue Virus 3 infected C6/36 cell lysate
Lanes 9-10 : Dengue Virus 4 infected C6/36 cell lysate

Predicted band size: 21 kDa
Observed band size: 21 kDa

Immunofluorescence of Vero cells infected with Dengue Virus 2 using ab41473 (green).

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Immunocytochemistry/ Immunofluorescence - Anti-Dengue Virus prM glycoprotein antibody [DM1] (ab41473)

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