

Product datasheet

Anti-Dengue Virus prM glycoprotein antibody [DM1] ab41473

5 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.

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: 0.065% Sodium azide
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	DM1
Isotype	IgG1
Light chain type	kappa

Applications

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.

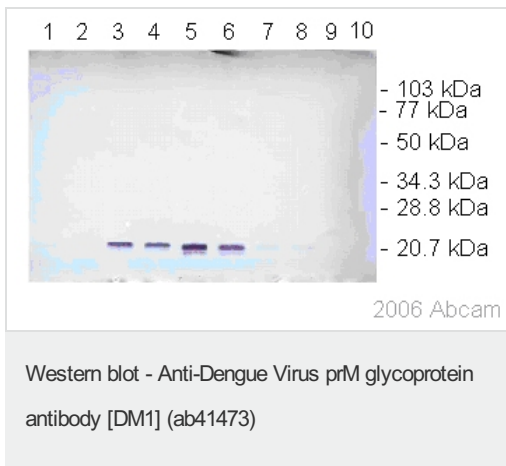
Application	Abreviews	Notes
WB		1/50 - 1/100. Use under non reducing condition. Detects a band of approximately 21 kDa (predicted molecular weight: 21 kDa).
ELISA		Use at an assay dependent dilution.

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



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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