**Description:** MOUSE ANTI DENGUE VIRUS

**Specificity:** DENGUE VIRUS

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** Dengue 1-11(3)

**Isotype:** IgG2a

**Quantity:** 0.25 mg

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**RRID** AB_609623

**Applications**

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<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin (1)</td>
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Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) **This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

**Target Species**

Viral

**Product Form**

Purified IgG - liquid

**Preparation**

Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.05% Sodium Azide (NaN₃)

**Approx. Protein Concentrations**

IgG concentration 1.0mg/ml

**Specificity**

*Mouse anti-Dengue virus antibody, clone Dengue 1-11 (3)* recognizes all four dengue virus
serotypes (DEN-1, DEN-2, DEN-3 and DEN-4) of the genus Flavivirus.

Mouse anti-Dengue virus antibody, clone Dengue 1-11 (3) binds strongly to subtypes 1 and 2. It recognizes subtype 3 more weakly. Among the four subtypes, subtype 4 is recognized the least strongly and some customers have reported no recognition of subtype 4.

The dengue virus is responsible for the tropical and sub-tropical diseases, dengue (DF) and dengue haemorrhagic fever (DHF), transmitted to individuals through the bite of the Aedes mosquito. The global distribution of dengue is expanding and comparable to that of malaria, with symptoms ranging from a mild viral syndrome of high fever, rash, headache, fatigue and muscle and joint pain, to the more severe and sometimes fatal DHF. Each dengue virus serotype is antigenically distinct, such that infection only provides an individual with immunity to the causative serotype, with the possibility of further infection by a different serotype or even multiple serotypes.

**Western Blotting**

This antibody detects an anti-E/envelope specific band of 61kDa under reducing conditions in Western blotting. A weak secondary band of 80kDa may also be apparent.

**References**


**Storage**

Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Guarantee**

18 months from date of despatch.

**Health And Safety Information**


**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

- Goat Anti Mouse IgG IgA IgM (STAR87...) *Alk. Phos., HRP*
- Goat Anti Mouse IgG (STAR77...) *HRP*
Rabbit Anti Mouse IgG (STAR12...)  
RPE

Rabbit Anti Mouse IgG (STAR8...)  
DyLight@800

Rabbit Anti Mouse IgG (STAR13...)  
HRP

Goat Anti Mouse IgG (STAR76...)  
RPE

Goat Anti Mouse IgG (STAR70...)  
FITC

Goat Anti Mouse IgG (Fc) (STAR120...)  
FITC, HRP

Rabbit Anti Mouse IgG (STAR9...)  
FITC

Goat Anti Mouse IgG2a (HCA037...)  
FITC, HRP

Goat Anti Mouse IgG (H/L) (STAR117...)  
Alk. Phos., DyLight®488, DyLight®680, DyLight®800, FITC, HRP

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