

Product datasheet for **AM01108PU-N**

pan Dengue Virus Mouse Monoclonal Antibody [Clone ID: Dengue 1-11(3)]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Dengue 1-11(3)
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	ELISA. Western Blot (<i>Reducing Conditions</i>). Immunofluorescence. Immunohistochemistry on Paraffin Sections: Requires antigen retrieval using heat treatment prior to staining of paraffin Sections (Sodium citrate buffer pH 6.0 is recommended for this purpose).
Reactivity:	Dengue Virus Types 1, Dengue Virus Types 2, Dengue Virus Types 3, Dengue Virus Types 4
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Specificity:	This antibody recognizes all four dengue virus serotypes (DEN-1, DEN-2, DEN-3 and DEN-4) of the genus <i>Flavivirus</i> . 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 antibody detects an anti-E/envelope specific band of 61kDa under <i>Reducing Conditions</i> in Western blotting. A weak secondary band of 80kDa may also be apparent.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction from Tissue Culture Supernatant Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.



[View online »](#)

Stability: Shelf life: one year from despatch.

Background: 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.