

NOVEL MONOCLONAL ANTIBODIES AGAINST DENGUE VIRUSES (1,2,3, & 4) E PROTEINS

[Brien, James, Diamond, Michael, Shrestha, Bimmi, Sukupolvi, Soila](#)

[Poranki, Deepika](#)

T-009276

Description: Monoclonal antibodies against Dengue virus E proteins. These mAbs are generated in mouse against different Dengue viruses and have been shown, by functional assays, to neutralize infection of the individual Dengue serotypes.

Target: Dengue Virus

Notes: Contact for more info.

Publications:

- Shrestha B, Brien JD, Sukupolvi-Petty S, Austin SK, Edeling MA, Kim T, O'Brien KM, Nelson CA, Johnson S, Fremont DH, Diamond MS. [The development of therapeutic antibodies that neutralize homologous and heterologous genotypes of dengue virus type 1](#). PLoS Pathog. 2010 Apr 1;6(4):e1000823. doi: 10.1371/journal.ppat.1000823.
- Sukupolvi-Petty S, Austin SK, Engle M, Brien JD, Dowd KA, Williams KL, Johnson S, Rico-Hesse R, Harris E, Pierson TC, Fremont DH, Diamond MS. [Structure and function analysis of therapeutic monoclonal antibodies against dengue virus type 2](#). J Virol. 2010 Sep;84(18):9227-39. doi: 10.1128/JVI.01087-10. Epub 2010 Jun 30.
- Brien JD, Austin SK, Sukupolvi-Petty S, O'Brien KM, Johnson S, Fremont DH, Diamond MS. [Genotype-specific neutralization and protection by antibodies against dengue virus type 3](#). J Virol. 2010 Oct;84(20):10630-43. doi: 10.1128/JVI.01190-10. Epub 2010 Aug 11.