

## 32-5687: Recombinant Polyvalent Dengue Antigen

### Description

Source : Escherichia Coli. Polyvalent dengue antigen is a 22kDa protein that contains 4 dengue antigen subtypes, produced in E.coli and fused to a 6xHis Tag. The immunoreactive peptide span from the viral envelope to the non-functional region. The polyvalent dengue antigen consists of 25% recombinant antigen from each of the dengue subtypes in their composition. The Polyvalent dengue antigen detects all four dengue subtypes. The sensitivity and specificity could reach approximately 93% and 96% in dengue IgG and IgM ELISA assay. Caused by one of four closely related virus serotypes of the genus Flavivirus, family Flaviviridae, each serotype is sufficiently different that there is no cross-protection and epidemics caused by multiple serotypes (hyperendemicity) can occur. In cell culture experiments and mice Morpholino antisense oligos have shown specific activity against Dengue virus.

### Product Info

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| <b>Amount :</b>            | 0.5 mg  |
| <b>Purification :</b>      | Protein is >95% pure as determined by 12% PAGE (coomassie staining).  |
| <b>Content :</b>           | Phosphate buffered saline, pH-7.4 and 0.05% NaN <sub>3</sub> .  |
| <b>Storage condition :</b> | Polyvalent Dengue although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles. |

