

## GeneMedi's p-tau217/Tau and p-tau181/Tau antibody pairs show good performance in serological diagnosis of Alzheimer's Disease (AD) blood test

Established biomarkers for Alzheimer's disease, including beta-amyloid (A $\beta$ ) and tau. Compared with CSF-based measurements, blood-based biomarkers have the potential to be deployed widely due to the lower costs and less invasiveness. Decreased beta-amyloid 42/beta-amyloid 40 (A $\beta$ 42/A $\beta$ 40) ratio and increased p-tau217 and p-tau181 were associated with subsequent Alzheimer's disease diagnosis<sup>1</sup>. Both p-tau217 and p-tau181 had an excellent diagnostic performance for differentiating patients with Alzheimer's disease syndromes from other neurodegenerative disorders. Besides, P-tau217 was a stronger indicator than p-tau181<sup>2</sup>.

GeneMedi's p-tau217/Tau and p-tau181/Tau antibody pairs show good performance in diagnosis of Alzheimer's Disease blood test. Recently, Eli Lilly's P-tau217 Serological Test also showed high accuracy in diagnosis of Alzheimer's Disease, which was published in JAMA.

Cat No.	Antibody/Antigen Name
<a href="#">GMP-p-tau217-Ab</a>	<a href="#">Anti-Phospho-tau217 (p-tau217) mouse monoclonal antibody(mAb)</a>
<a href="#">GMP-p-tau217-antigen</a>	<a href="#">Phospho-tau217 (p-tau217) antigen (positive control)</a>
<a href="#">GMP-p-tau181-Ab</a>	<a href="#">Anti-Phospho-tau181 (p-tau181) mouse monoclonal antibody(mAb)</a>
<a href="#">GMP-p-tau181-antigen</a>	<a href="#">Phospho-tau181 (p-tau181) antigen (positive control)</a>
<a href="#">GMP-Tau-Ab</a>	<a href="#">Anti-tau proteins (tau) mouse monoclonal antibody(mAb)</a>

### Reference

1. Adam M. Brickman. Plasma p-tau181, p-tau217, and other blood-based Alzheimer's disease biomarkers in a multi-ethnic, community study. *Alzheimer's Dement.* 2021;17:1353–1364.
2. Elisabeth H Thijssen. Plasma phosphorylated tau 217 and phosphorylated tau 181 as biomarkers in Alzheimer's disease and frontotemporal lobar degeneration: a retrospective diagnostic performance study. *Lancet Neurol* 2021; 20: 739–52.

# About GeneMedi

## GeneMedi

GeneMedi is a BioTech company with strong expertise in Gene&Biogitics discovery, artificail design, and State-of-the-Art Manufacturing.

Our scientists and experts serve global clients in biologics discovery including antibodies, recombinant protein and multiple types of viral vectors. GeneMedi offers Pre-made and custom made recombiant protein and antibodies for drug discovery and diagnostic ingredients.

GeneMedi help scientists from academic to industry in vectors optimization, cell line development, scalable production, process development and technology transfer. GeneMedi GeneTherapy center also help in gene therapy&gene editing discovery and development.

## Our Responsibility

1. Pre-made and custom-made recombinant proteins (Antibodies, Enzymes, Membrane protein, Factors and other antigens) for drug discovery and diagnostics ingredients, high quality, bulk in stock.
2. Membrane Protein & antibodies artificail design, discovery and State-of-the-Art manufacturing.
3. High quality, scalable, State-of-the-Art Manufacturing in gene therapy vectors including adeno associated virus (AAV) vector, lentivirus vector and adenovirus vector.
4. AAV gene therapy innovation: AAV capsid evolution and novel AAV generation for next-generation vector of gene therapy



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