

Division of Laboratory Medicine

Immunology

GABA_B receptor & AMPA receptor 1/2 antibodies

Referred to:
Department of Immunology
The Churchill Hospital
Old Road
Headington
Oxford
OX3 7LJ

General information

Specimen transport: At room temperature

Repeat frequency: significant change of clinical symptoms

Special precautions: None

Laboratory information

Normal reference range: Cell Based assay – no reference range

Volume and sample type: serum 1ml

Method: Cell based assay

Turnaround time (calendar days from sample receipt to authorised result): 14 days

Clinical information

Indications for the test: Antibodies against GABA_B receptors (GABA_B receptors are the G-protein-coupled receptors (GPCRs) for γ -aminobutyric acid (GABA), the main inhibitory neurotransmitter in the central nervous system) and α -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) receptors can be detected in paraneoplastic syndrome and classical limbic encephalitis with early and prominent seizures. The antibodies may be present together with other autoantibodies in around 50% of cases (antibodies against GAD-65, VGCC, and TPO).

(Last updated January 2019)