



GroPep Bioreagents

Rat IGF-I antiserum (Rabbit)

Description

Rat IGF-I antiserum was prepared by immunising rabbits with rat IGF-I. It cross-reacts 100% with rat and mouse IGF-I. Cross-reactivity to human and chicken IGF-I is < 0.5%. It does not recognise IGF-II from any species. This antiserum can be used for the analysis of rat/mouse IGF-I by immunoassay, for Western ligand blotting and for immunohistochemistry in rat and mouse tissue.

References:

Upton Z *et al* (1996) Journal of Endocrinology 149, 379-397

Immunogen:

Rat IGF-I

Source:

Rabbit antiserum

Specificity:

Rat and mouse IGF-I, 100%.

Human and chicken IGF-I, < 0.5%.

Does not detect IGF-II

Appearance:

Lyophilized powder

Storage/Stability:

At least 2 years at 2 - 4°C (lyophilized).

After reconstitution store at -20°C or -80°C

Avoid freeze-thaw cycles

Reconstitution:

For immunoassay applications using **PAT2**, dissolve the vial contents in 250µl RIA buffer (30mM sodium phosphate pH 7.5 containing 10mM EDTA, 0.2g/l protamine sulphate, 0.5ml Tween 20, 0.25g/l sodium azide) to give an antiserum stock of 1:50.

For immunohistochemistry or immunoblotting using **PAT1**, dissolve the vial contents in 200µl sterile water and dilute in an appropriate buffer

Application and Titre:

Each application and titre should be determined in house but as a guideline:

Radioimmunoassay using **PAT2** at a dilution of 1:60,000 the antiserum binds 20-30% of freshly prepared [¹²⁵I]-IGF-I tracer (~80Ci/g). Half-maximal inhibition (ED₅₀) of binding is produced by ~ 0.2 ng/ml of rat IGF-I.

Immunoblotting use **PAT1** at a dilution of 1:1,000.

Immunohistochemistry, use **PAT1** at a dilution 1:50 – 1:200

Product Codes and Pricing

Rat IGF-I antiserum

100 µl

PAT1

5 µl

PAT2

Related Products:

Rat IGF-I

Rat IGF-I monoclonal antibody

Human IGF-I antiserum (Rabbit)

IGF-I Polyclonal Antibody (Rabbit)

****NOT FOR USE IN HUMANS****

GroPep Bioreagents Pty Ltd
51 West Thebarton Road
Thebarton SA 5031
Australia

ABN 93 147 032 166

Telephone: +61 8 8152 9360

Postal Address:
PO Box 10065
Adelaide Business Centre
SA 5000
Australia

Email:
info@gropep.com

Internet:
www.gropep.com