

## Barramundi IGF-I antiserum (Rabbit)

### Description

Barramundi IGF-I antiserum was prepared by immunising rabbits with recombinant barramundi IGF-I. It has 100% cross-reactivity with barramundi IGF-I and other species of fish when determined by immunoassay. It can be used as a ubiquitous antiserum for the determination of plasma or serum IGF-I in a range of fish species.

### References:

Degger B *et al* (2000) General and Comparative Endocrinology **117**, 395-403

### Immunogen:

Barramundi (*Lates calcarifer*) IGF-I

### Source:

Rabbit antiserum

### Specificity:

Cross-reacts 100% with Barramundi IGF-I, Bream IGF-I (*Pagrus auratus*), Salmon and Trout IGF-I (*Onchorynchus* and *Salmo* species) Tilapia IGF-I (*Oreochromis mossambicus*) and Tuna IGF-I (*Thunnus maccoyii*). Cross-reactivity to human IGF-I and IGF-II is < 1%. No cross reactivity to salmon insulin.

### 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:

Dissolve the vial contents in 500µl 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.

### Application and Titre:

Each application and titre should be determined in house but as a guideline - Determination of IGF-I or IGF-II in a Range of Species by Radioimmunoassay (RIA). At a dilution of 1:30,000 the antiserum binds 20% of freshly prepared [<sup>125</sup>I]- barramundi IGF-I tracer (~80Ci/g). Half-maximal inhibition (ED<sub>50</sub>) of binding is produced by ~ 1.7 ng/ml of barramundi IGF-I.

## Product Codes and Pricing

### Barramundi IGF-I antiserum

10 µl

PAF1

### Related Products:

Barramundi IGF-I

Bream IGF-I

Salmon/Trout IGF-I

Tuna IGF-I

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

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