

# GroPep Bioreagents

## Human ProIGF-II E (89-101) antiserum (Rabbit)

### Description

Human ProIGF-II E (89-101) antiserum was prepared by immunising rabbits with a 13 amino acid peptide derived from the E domain of human IGF-II E linked to diphtheria toxoid. The sequence corresponds to IGF-II E<sub>89-101</sub> and as a consequence, the antiserum recognises full length IGF-II E and IGF-II E<sub>1-104</sub> but not IGF-II E<sub>1-88</sub> derived from processing of the human *igf-2* gene and following proteolytic cleavage. It does not recognise mature IGF-II or IGF-I. Sequence analysis suggests it is likely to recognise IGF-II E proteins in non-human primates, dog, guinea-pig, pig and potentially cattle.

### References:

Duguay SJ *et al* (1999) Hormone and Metabolic Research **31**, 43-49  
Khosla S *et al* (2002) Journal of Clinical Endocrinology and Metabolism **87**, 3867-3870

### Immunogen:

Derived from UniProtKB/Swiss-Prot sequence ID P03144 isoform 1. The peptide sequence is amino-acids 113-125, derived from IGF-II E, conjugated to diphtheria toxoid.

### Source:

Rabbit antiserum

### Specificity:

Determined by Western blotting. Recognises full length human IGF-II E (IGF-II E<sub>1-156</sub>) and proteolytically cleaved variants (IGF-II E<sub>1-104</sub>) but not (IGF-II E<sub>1-87</sub>).

No cross-reactivity against mature IGF-II or IGF-I.

### 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 500 µl sterile water and then dilute in a buffer suitable for the application.

### Application and Titre:

Each application and titre should be determined in house. As a guideline the antiserum can be used at a dilution of 1:8000 for Western immunoblotting and 1:4000 for enzyme immunoassay

### Product Codes and Pricing

**Human ProIGF-II E (89-101)  
antiserum**

**100 µl**

**PAAY1**

### Related Products:

Human ProIGF-II E (138-156) antiserum (Rabbit)  
Human Pro IGF-II E (78-88) antiserum (Rabbit)  
Human Pro IGF-II (1-104)  
Human Pro IGF-II (1-156)

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

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