



GroPep Bioreagents

Rat IGFBP-4 antiserum (Rabbit)

Description

This rat IGFBP-4 antiserum was prepared by immunising rabbits with rat IGFBP-4. The antiserum recognises rat and mouse IGFBP-4 but not human, porcine or equine IGFBP-4. The antiserum did not detect other rat IGF binding proteins by Western ligand blotting. It exhibits very weak binding to human IGFBP-1 and -3. The antiserum has been used to develop immunoassays to detect rat IGFBP-4 in serum and wound fluid with a sensitivity of < 1 ng/ml.

References:

Chelius D & Spencer EM (2001) Growth Hormone and IGF Research **11**, 49-57

Immunogen:

Rat IGFBP-4 derived from *E. coli*.

Source:

Rabbit antiserum

Specificity:

Recognises rat and mouse IGFBP-4
< 1% cross reactivity to human IGFBP-1, 3 and 4.
It does not detect IGFBP-4 in human, equine or porcine serum.

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 1:40,000 for radioimmunoassay. The antiserum binds 20-30% of freshly prepared [¹²⁵I]-rat IGFBP-4 (~80 Ci/g). Half-maximal inhibition of binding is produced by 250-300 pg of rat IGFBP-4 and the limit of detection is approximately 1 ng/ml in rat serum.

Product Codes and Pricing

**Rat IGFBP-4
antiserum**

100 µl

PAAP1

US\$150

Related Products:

Rat IGFBP-4
IGFBP-4 Polyclonal Antibody (Rabbit)

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

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