



## Anti-mouse IGFBP-6 Antibody

### ORDERING INFORMATION

**Catalog Number:** AF776

**Lot Number:** EBE0109041

**Size:** 100 µg

**Formulation:** 0.2 µm filtered solution in PBS with 5% trehalose

**Storage:** -20° C

**Reconstitution:** sterile PBS

**Specificity:** mouse IGFBP-6

**Immunogen:** NS0-derived rmlIGFBP-6

**Ig Type:** mouse IGFBP-6 specific goat IgG

**Applications:** Western blot  
Immunohistochemistry  
Direct ELISA

### **Preparation**

Produced in goats immunized with purified, NS0-derived, recombinant mouse insulin-like growth factor binding protein 6 (rmlIGFBP-6). IGFBP-6 specific IgG was purified by mouse IGFBP-6 affinity chromatography.

### **Formulation**

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

### **Endotoxin Level**

< 0.1 EU per 1 µg of the antibody as determined by the LAL method.

### **Reconstitution**

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 0.1 mg/mL.

### **Storage**

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

### **Specificity**

This antibody has been selected for its ability to recognize rmlIGFBP-6 in direct ELISAs and Western blots.

### **Applications**

**Western blot** - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect mouse IGFBP-6. The detection limit for rmlIGFBP-6 is approximately 1 ng/lane under non-reducing and reducing conditions.

**Immunohistochemistry** - This antibody will detect IGFBP-6 in cells and tissues. The working dilution is 5 - 15 µg/mL. For chromogenic detection of labeling, use R&D Systems Cell and Tissue Staining Kits (CTS Series).

**Direct ELISA** - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect mouse IGFBP-6. The detection limit for rmlIGFBP-6 is approximately 0.02 ng/well. In this format, this antibody shows approximately 15% cross-reactivity with rhIGFBP-6 and less than 1% cross-reactivity with rhIGFBP-1, rhIGFBP-2, rhIGFBP-3, rhIGFBP-4 and rhIGFBP-5.

**Optimal dilutions should be determined by each laboratory for each application.**