

## LRP4 (extracellular) Monoclonal Antibody

### **ORDERING INFORMATION**

**Catalog No.:** 56540 (clone S207-27)  
**Size:** 100ug in PBS (1mg/ml), pH 7.4,  
50% glycerol, 0.09% sodium azide.  
Purified by Protein G affinity  
chromatography.

### **BACKGROUND**

The formation of neuromuscular junctions (NMJ) requires the interaction between motor neurons and muscle fibers. LRP4 (low-density lipoprotein receptor-related protein 4) is a receptor of agrin that is thought to act in *cis* to stimulate MuSK in muscle fibers for postsynaptic differentiation. Recent studies of muscle-specific mutants suggest that LRP4 is involved in determining where AChR clusters form in muscle fibers, postsynaptic differentiation, and axon terminal development.

### **SPECIFICATION SUMMARY**

**Antigen:** Fusion protein corresponding to aa 26-350 (extracellular N-terminus) of mouse LRP4 (accession no.Q8V156).

**Host Species:** Mouse

**Antibody Class:** IgG2a

### **SPECIFICITY**

This antibody recognizes mouse and rat LRP4.

### **APPLICATIONS**

***Immunoblotting:*** use at 1ug/ml. Predicted molecular weight is ~215kDa. Degradation products of approx. 150kDa are also detected.

***Positive Control:*** rat brain lysate.

These are recommended concentrations. Endusers should determine optimal concentrations for their applications.

### **DILUTION INSTRUCTIONS**

Dilute in PBS or medium which is identical to that used in the assay system.

### **STORAGE AND STABILITY**

This antibody is stable for at least one (1) year at -20°C. Avoid repeated freeze-thaw cycles.

*For in vitro investigational use only. Not intended for diagnostic or therapeutic applications.*