



## *Anti-Drosophila Dpp Antibody*

### ORDERING INFORMATION

**Catalog Number:** AF159

**Lot Number:** FZB0108121

**Size:** 100 µg

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

**Storage:** -20° C

**Reconstitution:** sterile PBS

**Specificity:** Drosophila Dpp

**Immunogen:** *E. coli*-derived rdDpp

**Ig Type:** chicken IgY

**Applications:** Western blot  
Direct ELISA

### *Preparation*

Produced in chickens immunized with purified, *E. coli*-derived, recombinant Drosophila Decapentaplegic (rdDpp). Drosophila Dpp specific IgY was purified by Drosophila Dpp 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 rdDpp in direct ELISAs and western blots. In these formats, this antibody shows less than 1% cross-reactivity with rhTGF-β1, rhTGF-β2, rhTGF-β3 and raTGF-β5.

### *Applications*

**Western blot** - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect Drosophila Dpp. The detection limit for rdDpp is approximately 5 ng/lane under non-reducing and reducing conditions.

**Direct ELISA** - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect Drosophila Dpp. The detection limit for rdDpp is approximately 0.1 ng/well.

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