

**Anti- $\beta$ -Galactosidase  
Fractionated Ascites Fluid  
Developed in Mouse**

Product No. **G 4644**

Antibody is developed in mouse peritoneal cavities using  $\beta$ -Galactosidase purified from *E. coli* as the immunogen. Ascites fluid is fractionated resulting in primarily the immunoglobulin fraction. The product is lyophilized from 0.01 M phosphate buffered saline, pH 7.2, with no preservatives added.

**Specificity**

Using a Western Blot technique, the fractionated ascites is specific for  $\beta$ -Galactosidase in its native form (116 kD). In a double diffusion assay, Mouse Anti- $\beta$ -Galactosidase reacts only with  $\beta$ -Galactosidase from *E. coli*, no reactivity is observed with  $\beta$ -Galactosidase from other sources.

**Working Dilution**

A minimum dilution of 1:1,000 of the antibody in indirect Western Blot assay will detect 500 ng of non-reduced  $\beta$ -Galactosidase from *E. Coli*.

In order to obtain best results, it is recommended that each individual user determine an optimum working dilution by titration assay.

## Product Information

**Titer**

In a double diffusion assay 5  $\mu$ l of serially diluted antibody is reacted against 5  $\mu$ g of  $\beta$ -Galactosidase (1% agarose, well diameter: 3 mm, well separation: 7.5 mm center to center). Titer is equivalent to the highest dilution of antibody resulting in a visible precipitate after 24 hours incubation.

**Protein Concentration**

Determined by biuret.

**Reconstitution and Storage Instructions**

To one vial of lyophilized powder add 2 ml of deionized water. Rotate vial gently until powder dissolves. Prior to reconstitution store the product at 2-8 °C. After reconstitution, the solution may be stored frozen in working aliquots. Repeated freezing and thawing is **not** recommended. If slight turbidity occurs upon prolonged storage clarify the solution by centrifugation before use.

Pcs 11/00

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