

ProductInformation

ANTI-CAT IgG (WHOLE MOLECULE) FITC CONJUGATE

Antibody developed in Goat
IgG Fraction of Antiserum

Product No. **F 4262**

Product Description

Anti-Cat IgG is developed in goat using purified cat IgG as the immunogen. Whole antiserum is fractionated and then further purified by ion exchange chromatography to provide the IgG fraction of antiserum. This fraction is essentially free of other goat serum proteins. Goat anti-cat IgG is conjugated to Fluorescein Isothiocyanate (FITC) in an alkaline reaction, then further purified to remove unbound FITC.

The antiserum is determined to be immunospecific for cat IgG by immunoelectrophoresis versus normal cat serum and cat IgG, prior to conjugation.

Identity and purity of the antibody is established by immunoelectrophoresis (IEP), prior to conjugation. Electrophoresis of the antibody preparation followed by diffusion versus anti-goat IgG and anti-goat whole serum results in single arcs of precipitation in the gamma region.

Reagents

The conjugate is provided as a solution in 0.01 M phosphate buffered saline, pH 7.4, containing 15 mM sodium azide as a preservative.

Product Profile

The minimum working dilution was determined to be 1:32 by direct immunofluorescent labeling of cat spleen cells.

In order to obtain best results it is recommended that each individual user determine the optimum working dilutions for their system by titration assay.

F/P Molar Ratio: 2.5-6.5

The F/P molar ratio is determined spectrophotometrically as follows:

$$F/P = \frac{A_{495} \times 1.4}{A_{280} - (0.36 \times A_{495}) \times 0.2} \times 0.41$$

Where:

0.2 = The extinction coefficient of bound FITC at a concentration of 1 µg per ml at pH 7.2

0.36 = The fluorochrome absorbance correction factor (non-protein absorbance).

Storage

For continuous use, store at 2-8 °C for a maximum of one month. For extended storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is not recommended. Storage in "frost-free" freezers is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.

Pcs10/02

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