

AP09740PU-L**Polyclonal Antibody to Leucomalachite Green - Ig Fraction****Alternate names:**

4,4'-Bis(dimethylamino)triphenylmethane, Leuco malachite green, Malachite green leuco base, N-dimethylaniline), Tetramethyldiaminotriphenylmethane, p'-Benzylidenebis(N

Quantity:

1 ml

Concentration:

8.58mg/ml (U.V. abs @ 280nm)

Background:

Leucomalachite Green is a by-product of Malachite Green a dye extensively used to treat fungal infections in fish. The dye persists as Leucomalachite Green in the tissues of fish and has been reported to cause carcinogenesis, mutagenesis, chromosomal fractures, teratogenicity, and respiratory toxicity. MRLs for Malachite Green have not been set by the European Union, Canada, the USA or Japan. The European Union has introduced MRPLs for banned substances, and has set a minimum detection limit for Malachite Green assays of 2 ppb for the sum of Malachite Green and Leucomalachite Green in the meat of aquaculture products.

Host / Isotype:

Sheep / IgG

Immunogen:

Leucomalachite Green-BTG

Format:

State: Liquid Ig fraction prepared by Caprylic Acid and Ammonium Sulphate precipitation procedures

Buffer System: 20mM Phosphate, 150mM Sodium Chloride, pH 7.2 containing 0.09% Sodium Azide as preservative

Applications:

ELISA: 0.625µg/ml.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody reacts to Leucomalachite Green.

Cross-Reactivity:

Leucomalachite Green 100%

Malachite Green 26.4%

Leucocrystal Violet 200%

Storage:

Store the antibody at -20°C.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.