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Product Description

Monoclonal anti IGF-1

Product: Monoclonal antibody against human Insulin-like growth factor I

Code number: 41

Lot No.: 5.93

Form: lyophilized ascites (no preservatives).

Quantity: 200 μ l

Reconstitution: with 200 μ l bidistilled water

Description:

This IgG1 mouse monoclonal antibody against IGF I can detect a concentration of 0.2 ng IGF I/0.2 ml serum with an affinity of 10^9 M⁻¹. 50% of ¹²⁵I IGF I are bound at a final dilution of the ascites of 1:20'000. The antibody crossreact 3% with IGF II but not with insulin and can be used for immunopurification of IGF's from human serum. It recognize IGF I of other species with following approximate relative potencies: guinea pig, rabbit, human, rat and mouse =7:4:1:<0.01:<0.01.

Working dilutions:

For RIA: 1:20'000.

For other applications: not tested.

Storage:

For long storage, keep small portions (1-2 μ l) at -80° C (or at least at -20°C). For continuous use keep at 4°C (with 0.01 % Na-azide) Avoid repeated freezing and thawing.

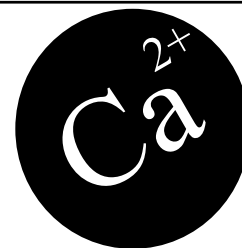
References:

Läubli U.K. et al. (1982) Monoclonal antibodies directed to human insulin-like growth factor I (IGF I). FEBS Letters 149: 109-112.

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Swiss antibodies
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PRODUCT DESCRIPTION



Product: Monoclonal antibody against human Insulin like growth factor II (IGF II)

Code number: 73

Lot No.: 5.93

Form: lyophilized concentrated supernatant (no preservatives).

Quantity: 200 μ l

Reconstitution: with 200 μ l bidistilled water.

Description: Antibody **73** is a mouse IgG1 directed against an epitope overlapping with residues 27-45 of IGF II. It has an apparent affinity constant of 5.5 l/nMol and can be used at a dilution of approx. 1:10'000 for RIA of human serum. A half maximal displacement is achieved by 1.2-1.3 ng IGF II per 0.2 ml. The lowest concentration detectable is 0.3 ng IGF II per 0.2 ml. No crossreactivity is observed with human insulin (50 μ g/200 μ l), proinsulin (1 μ g/200 μ l) and D-peptide of IGF II (10 μ g/200 μ l). Antibody **73** recognizes IGF II of other species with following approximate relative potencies: guinea pig, human, mouse, rabbit, rat =1.3: 1:<0.4:<0.1:<0.1. Other applications have not been tested.

Working dilutions:

For RIA of human serum: approx. 1:10'000.

For other applications: not tested.

Storage:

For long storage, keep small portions (1-2 μ l) at -80° C (or at least at -20°C). For continuous use keep at 4°C (with 0.01 % Na-azide) Avoid repeated freezing and thawing.

References: Läubli U.K. et al. (1982) Monoclonal antibodies directed to human insulin-like growth factor I (IGF I). FEBS Letters 149: 109-112.

Note: Another monoclonal antibody directed against a different epitope of IGF II is also available (number 43). It crossreacts 100% with human IGF1 as well as with IGF II of other species with following approximate relative potencies: guinea pig, rat, mouse, human, rabbit=7.4: 1.3: 1.2: 1: 0.9. It can be used for immunopurification of IGF from human serum.

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PRODUCT DESCRIPTION



Product: Monoclonal antibody against human Insulin like growth factor II (IGF II)

Code number: 79

Lot No.: 5.93

Form: lyophilized concentrated supernatant (no preservatives).

Quantity: 200 μ l

Reconstitution: with 200 μ l bidistilled water.

Description: Antibody **79** is a mouse IgG1 directed against an epitope overlapping with residues 27-45 of IGF II. It has an apparent affinity constant of **0.12** l/nMol and can be used at a dilution of 1:5'000 for RIA of human serum. No crossreactivity is observed with human insulin (50 μ g/200 μ l), proinsulin (1 μ g/200 μ l) and D-peptide of IGF II (10 μ g/200 μ l).

Working dilutions:

For RIA of human serum: approx. 1:5'000.

For other applications: not tested.

Storage:

For long storage, keep small portions (1-2 μ l) at -80° C (or at least at -20°C). For continuous use keep at 4°C (with 0.01 % Na-azide) Avoid repeated freezing and thawing.

References: Läubli U.K. et al. (1982) Monoclonal antibodies directed to human insulin-like growth factor I (IGF I). FEBS Letters 149: 109-112.

Note: Another monoclonal antibody directed against a different epitope of IGF II is also available (number 43). It crossreacts 100% with human IGF1 as well as with IGF II of other species with following approximate relative potencies: guinea pig, rat, mouse, human, rabbit=7.4: 1.3: 1.2: 1: 0.9. It can be used for immunopurification of IGF from human serum.