



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti Estradiol

Catalog No.
MD-14-0273

Host Animal
Mouse

Isotype
IgG_{2a}, kappa

Description

Monoclonal Antibody to Human Estradiol

Preparation

Purification: >90% pure (SDS-PAGE). Protein A chromatography

Immunogen: Estradiol-6-CMO-BSA

Source: Ascites

Formulation

Product Form: Purified, Liquid

Buffer: 10mM Phosphate, pH 7.4 containing 150mM Sodium chloride

Preservative Stabilizers: 0.1% Sodium azide

Concentration: 4.8mg/ml (OD_{280nm}, E^{0.1%} = 1.4)

Affinity Constant: 1×10^{10}

Specificity

Cross-reactivity:

| | | | |
|-----------------|---------|----------------|---------|
| 17-B-Estradiol | 100% | Cortisone | <0.005% |
| Estrinol | 2.3% | Cortisol | <0.005% |
| Estrone | 0.17% | Progesterone | <0.005% |
| Testosterone | 0.01% | Corticosterone | <0.005% |
| Androstanedione | <0.005% | | |

Storage

Short term (up to 7 days) store at 2-8°C. Long term, aliquot and store at <-40°C. If aliquoted for long term storage, fill volume should be equal to or greater than 50% of the nominal fill volume of the vial used. Avoid repeated freeze/thaw cycles.

The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.



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Applications

Specific methodologies have not been tested using this product

Warnings

This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1 – 1.0 %. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

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