



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti PI-3 Kinase p85 Alpha Subunit

with HRP-conjugated anti-mouse secondary antibody

Catalog No.
DS-MB-02125

Target Species:
Bovine

Isotype:
IgG1

Preparation

- **Immunogen:** Balcalovirus expressed (Recombinant) Bovine p85 alpha subunit of PI3 kinase.
- **Purification:** N/A
- **Fusion Partners:** Spleen cells from immunized mice were fused with cells of the NS1 mouse myeloma cell line.

Formulation

- **Product Type:** Monoclonal antibody
- **Product Form:** Tissue culture supernatant containing 0.2 M Tris/HCl, pH 7.4 and 5-10 % fetal calf serum
- **Preservative Stabilizers:** 0.09% Sodium Azide

Specificity

- Recognizes the SH3 domain of the p85 a subunit of bovine PI3 kinase.

Species Cross Reactivity

- Reacts with: Human, Monkey, Rat, Mouse

Storage

- Store at +4 °C or at -20 °C if preferred.
- This product should be stored undiluted.
- Storage in frost-free freezers is not recommended.
- Avoid repeated freezing and thawing as this may denature the antibody.
- Should this product contain a precipitate we recommend microcentrifugation before use.

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



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Shelf Life

- 18 months from date of dispatch.

Applications

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA			•	
Western Blotting	•			1:200
Immunohistochemistry			•	
Immunoprecipitation	•			Neat
Flow Cytometry			•	

Note: other applications are not tested yet. Optimal dilutions should be determined by the users.

Secondary Antibody Applications

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blotting)	•			1:5,000-1:10,000

References

- Woodfield, R. *et al.* (2001) The p85 subunit of phosphoinositide 3-kinase is associated with beta-catenin in the cadherin-based adhesion complex. *Biochem. J.* 360: 335 - 344.
- Reif, K. *et al.* (1993) Divergent regulation of phosphatidylinositol 3-Kinase P85 alpha and P85 beta isoforms upon T cell activation. *J. Biol. Chem.* 278:10780-10788.

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