Life Technologies™
Your Molecular & Cell Technology Partner

adi

Cat. #MA-20041 Mouse Monoclonal Anti- Ractopamine, Ascitic fluid SIZE: 100 ul

Ractopamine is a phenolethanolamine β-adrenoceptor agonist that is used for the improvement of weight gain, carcass leanness and feed efficiency in pigs. It has been known for years that ractopamine enhances growth in meat animals by repartitioning nutrients. This means that the nutrients that the animal consumes in its feed are shifted away from being stored as fat and are instead used in lean tissue production. This shift occurs as the animal reaches the top of its growth curve and lean tissue production drops off and fat deposition increases. Fat levels also appear to decrease, due to an increase in lypolysis (fat breakdown). Using the ractopamine monoclonal antibody, it is possible to detect ractopamine and other agonists in urine, muscle and liver both rapidly and with accuracy..

Source of Antigen and Antibodies

Antigen	Rac-OVA.
Ab Host/type	Balb/c **mouse**. Isotype: IgG1 Ascitic fluid containing 0.05% sodium azide
2-Ab	Goat Anti-mouse IgG-HRP conjugate Cat # 40320 (AP, biotin, FITC conjugates also available)
-ve control IgG	Cat # 20008-1, Mouse (non-immune) Serum IgG, purified, suitable for ELISA, Western, IHC as –ve control

Isotype Controls

20102-101	Mouse IgG1 isotype control, purified
20102-101-APC	Mouse IgG1-APC conjugate (isotype control)
20102-101-B	Mouse IgG1-Biotin conjugate (isotype control)
20102-101-F	Mouse IgG1-FITC conjugate (isotype control)
20102-101-FP	Mouse IgG1-FITC-PE conjugate (isotype control)
20102-101-HP	Mouse IgG1-HRP conjugate (isotype control)
20102-101-PC5	Mouse IgG1-PE-Cy5 conjugate (isotype control)
20102-101-PE	Mouse IgG1-PE conjugate (isotype control)

Suggested Dilutions:

Western blot	N/A
Immunohistorchemistry (IHC):	N/A
Immunocytohemisitry (ICC):	N/A
Flow cytometry (FCM):	N/A
ELISA	1:5000-1:10000

Form: Antibodies are supplied in PBS, pH 7.5, 0.05% azide and 0.1% BSA in liquid (0.5-1 mg/ml) or lyophilized in the same buffer. Reconstitute powder in 100 ul water or PBS. Store at -20ºC or below is suitable size Aliquotes.

Shipping: 4ºC for solutions and room temp for powder.

India Contact:
Life Technologies (India) Pvt. Ltd.
306, Aggarwal City Mall, Road No. 44, Pitampura, Delhi – 110034, India
Mobile: +91-98105-21400, Tel: +91-11-42208000, 8111, 8222, Fax: +91-11-42208444
Email: customerservice@lifetechindia.com, www.atzlabs.com ; www.lifetechindia.com

References : Knaus, U.G. Science 1991. 254: 1512-1515. Diekmann, D. Nature 1991. 351: 400-402.

**All products are for In vitro research use only.*

Related material available from ADI

MA-20041 120321A