

**ORDERING INFORMATION**

**Catalog Number:** PP-A9033A-00

**Clone:** A9033A

**GenBank:** U68233

**Ig Class:** mouse IgG<sub>2A</sub>

**Volume:** 100 µL

**Concentration:** 1 mg/mL

**Formulation:** A liquid formulation in physiologic saline with 0.1% NaN<sub>3</sub>

**Storage:** ≤ -20 °C

**Specificity:** human FXR

**Applications:** Western Blot  
Direct ELISA  
Immunohistochemistry  
Immunoprecipitation

**Description**

Farnesoid X-activated Receptor (FXR, HRR-1, BAR, RIP14; NR1H4) is a member of the Orphan Nuclear Receptor family. FXR is expressed in the liver, intestinal villi, renal tubes and adrenal cortex. FXR is a global regulator of bile acid metabolism. Two genes, cholesterol 7 $\alpha$ -hydroxylase (CYP7A1) and IBABP (Ileal Bile Acid Binding Protein), which are implicated in bile acid biosynthesis and recycling, respectively, are target genes of FXR. FXR is shown to be transcriptionally activated by farnesol metabolites such as farnesol itself and juvenile hormone III. FXR binds to DNA only as a heterodimer with Retinoid X Receptor (RXR).

**Preparation**

Produced in BALB/c mouse ascites inoculated with a hybridoma of spleen cells of a BALB/c mouse immunized with recombinant human FXR (amino acids 2 - 126) and mouse myeloma cells (NS-1). The IgG fraction of the ascites fluid was purified by ammonium sulfate fractionation.

**Formulation**

A liquid formulation in physiologic saline with 0.1% NaN<sub>3</sub>.

**Storage**

This antibody is stable for greater than six months when held at -20 °C in a **manual defrost freezer** or at -70 °C. Upon thawing, the antibody can be stored at 2-8 °C for at least 1 month without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

**Specificity**

This antibody specifically recognizes human FXR and cross-reacts with rat and mouse FXR. Not yet tested in other species.

**Applications**

**Western Blot** - This antibody can be used at 1 µg/mL with the appropriate secondary reagents to detect human FXR.

**Direct ELISA** - This antibody can be used at 0.2 µg/mL with the appropriate secondary reagents to detect human FXR.

**Immunohistochemistry** - This antibody can be used at 20-40 µg/mL with the appropriate secondary reagents to detect human FXR.

**Immunoprecipitation** - Optimal dilutions should be determined by each laboratory.

**Optimal dilutions should be determined by each laboratory for each application.**

**Caution:** Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.



**Manufactured by:**

Perseus Proteomics, Inc.  
3F, A.i. Nihombashi EAST  
30-1 Nihonbashi-Hakozakicho, Chuo-ku,  
Tokyo 103-0015, JAPAN  
Tel: +81-3-6264-8268  
Fax: +81-3-3668-7776  
E-mail: info@ppmx.com  
http://www.ppmx.com