

Anti human LXR alpha mouse monoclonal antibody

LXR alpha: Liver X Receptor alpha

Code No PP-K8607-00

Clone No. K8607

Lot. A-2

Concentration 1 mg/mL

Volume 100 uL

Ig Class G2a

Description Liver X receptor alpha (LXRα, RLD-1; NR1H3) is a member of orphan nuclear receptor. LXRα activator is the naturally occurring compound 22(R)-hydroxycholesterol (22(R)-HC), 20(S)HC, 24-HC, 25-HC, 7α-HC. LXRα is expressed in the liver, kidney and spleen. LXRα has important role in regulating cholesterol metabolism. It is believed that LXR specific agonist may have important medical applications in the regulation of cholesterol homeostasis. LXRα forms heterodimer with RXR.

Nomenclature NR1H3

Genbank U22662

Origin Produced in BALB/c mouse ascites after inoculation with hybridoma of mouse myeloma cells (NS-1) and spleen cells derived from a BALB/c mouse immunized with Baculovirus-expressed recombinant human LXR alpha (2-97 aa) .

Specificity This antibody specifically recognizes LXR alpha but does not recognize human LXR beta. Not yet tested in other species.

Purification Ammonium sulfate fractionation

Formulation Physiological saline with 0.1% NaN₃ as a preservative.

Application / Recommended Concentration

In order to obtain the best results, optimal working dilutions should be determined by each individual user.

Western Blot 2 ug/mL

Non reducing Western Blot Not yet tested

ELISA 0.3 ug/mL

Immunoprecipitation Decide by use

Supershift Assay Decide by use

Chromatin immunoprecipitation Decide by use

Immunohistochemistry Not yet tested

Storage Store at 2 - 8 °C up to one month. For long-term storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is not recommended. Storage in a frost-free freezer is not recommended.

Reference Watanabe Y, *et al.* Nuclear Receptor, 1: 1, 2003,

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

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MADE IN JAPAN

Aug 23, 2006