

Anti human LXR beta mouse monoclonal antibody

LXR beta: Liver X Receptor beta

Code No PP-K8917-00

Clone No. K8917

Lot. A-2

Concentration 1 mg/mL

Volume 100 uL

Ig Class G2a

Description Liver X receptor beta (LXRb, UR, NER, RIP15, OR-1; NR1H2) is a member of orphan nuclear receptor. LXRb is expressed in a wide variety of tissues (heart, liver, kidney, brain, testis, ovary, adrenal, uterus, prostate, vagina, lung, spleen). LXRs play important role in expression of ABC transporters. The protein is expressed as a 50 kDa nuclear form. LXRb forms heterodimer with RXR.

Nomenclature NR1H2

Genbank U07132

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 beta (2-86 aa).

Specificity This antibody specifically recognizes human LXR beta but does not recognize human LXR alpha. This antibody does not cross react with rat 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 2 ug/mL

ELISA 0.1 ug/mL

Immunoprecipitation Decide by use

Supershift Assay Not yet tested

Chromatin immunoprecipitation Not yet tested

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.* Nucl Recept. 2003; 1(1): 1.
Pavan L, *et al.* Endocrinology. 2004; 145(10): 4583-91.

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

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