

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LCoR in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 731229
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human LCoR Asn110-Gln338 Accession # Q96JN0
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Immunocytochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

LCoR (ligand-dependent corepressor), also known as MLR2 (Mblk1-related protein 2), is a 47-50 kDa nuclear phosphoprotein that is a corepressor of ligand-dependent transcriptional activation by nuclear receptors such as estrogen and progesterone receptors. It is widely expressed throughout fetal development and in the adult. The 433 amino acid (aa) LCoR contains two N-terminal PxDSL nuclear receptor interaction motifs, a central HDAC interaction motif, a nuclear localization signal, and a C-terminal Helix-Turn-Helix motif. Alternate splicing produces a truncated 406 aa variant. Within the region used as an immunogen, human LCoR shares 97% aa identity with mouse and rat LCoR.

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