

## Mouse Monoclonal Antibody to

# LEF (Lymphoid Enhancer Binding Factor)

## clone 2D12

**Order No.:** 0050-100/LEF-2D12

**Size (µg)** 100

**Lot No.:** 0050S



[www.nanotools.de](http://www.nanotools.de)

**orders & support:**

email: [info@nanotools.de](mailto:info@nanotools.de)

phone: +49-7641-455 670

fax: +49-7641-455 671

03/300307F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG1	human	WB, ELISA	55 - 57 kDa		aa 1-85	recombinant LEF aa 1 - 85

### Background and Specificity:

LEF is a transcription factor of the LEF/TCF protein family. LEF interacts with cytoplasmic beta-catenin and regulates the expression of genes containing a LEF/TCF binding site. The formation of LEF - beta-catenin heterodimers is an important step in the wnt/wg signal transduction pathway.

**Mab LEF-2D12** specifically recognizes LEF at 55-57 kDa in Western blot. It does not crossreact with TCF3 and TCF4.

### Related Products

**mab to b-catenin (N-Term/Exon2)**

#0003-100/b-CAT-7D11

**mab to b-catenin (Exon3)**

#0004-100/b-CAT-9G2

**mab to b-catenin (Core)**

#0005-100/b-CAT-9G10

**mab to b-catenin (C-Term/Exon14)**

#0002-100/b-CAT-7D8

**mab to b-catenin (C-Term)**

#0006-100/b-CAT-10H8

**mab to dephospho-b-catenin (aa35-50),**

#0051-100/b-CAT-7A7

**mab to dephospho-b-catenin (aa27-37),**

#0052-100/b-CAT-8E4

**mab to phospho-b-catenin (pY86)**

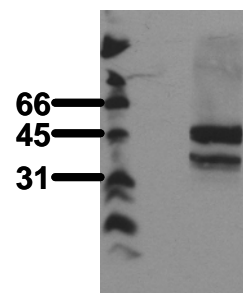
#0123-100/b-CAT-24E1

**mab to phospho-b-catenin (pY654)**

#0159-100/b-CAT-1B11

For monoclonal antibodies against alpha-catenin, TFF3, E-, M- and N-Cadherin, please refer to our website at [www.nanotools.de](http://www.nanotools.de)

<b>Purification:</b>	The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.
<b>Formulation:</b>	liquid; 0.1mg/ml in in PBS/0.09% Na-Azide/PEG and Sucrose/50% Glycerol
<b>Reconstitution:</b>	
<b>Stability:</b>	Aliquote and store at -20°C up to 1 year. Avoid repeated freeze / thaw cycles.
<b>Positive Control:</b>	none
<b>Immunoblotting:</b>	0.5 µg/ml for HRPO/ECL detection <b>Recommended blocking buffer:</b> Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.
<b>Immunoprecipitation:</b>	ND
<b>Immunocytochemistry:</b>	ND
<b>ELISA:</b>	use at 0.1 µg/ml



### Detection of endogenous LEF

Whole cell lysates of serum starved Jurkat were applied to SDS-PAGE and transferred to PVDF membranes. Immunoblots were probed with mab 2D12 (0.5 µg/ml) for 1h at RT and developed by ECL (exp. time: 30 sec).

**All products are supplied for research and investigational use only. Not for use in humans or laboratory animals.**