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Datasheet

LEF1 monoclonal antibody (M01), clone 3H5

Catalog Number: H00051176-M01

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full length recombinant LEF1.

Clone Name: 3H5

Immunogen: LEF1 (AAH50632, 1 a.a. ~ 399 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:
MPQLSGGGGGGGGDPELCATDEMIPFKDEGDPQKEK
IFAEISHPEEEGDLADIKSSLVNESEIIPASNGHEVARQA
QTSQEPYHDKAREHPDDGKHPDGGLYNKGPSYSSYS
GYIMMPNMNNDPYMSNGSLSPPIPRTSNKVPVVQPSH
AVHPLTPLITYSDEHFSPGSHPSHIPSDVNSKQGMSRH
PPAPDIPTFYPLSPGGVGQITPPLGWQGQPVYPITGGF
RQPYPSSLSVDTSMSRFSHHMIPGPPGPHTTGIPHPAI
VTPQVKQEHPHTDSDLMHVKPQHEQRKEQEPKRPHI
KKPLNAFMLYMKEMRANVVAECTLKESAAINQILGRR
WHALSREEQAKYYELARKERQLHMQLYPGWSARDNY
GKKKKRKREKLQESASGTGPRMTAAYI

Host: Mouse

Reactivity: Human

Applications: ELISA, RNAi-Ab, S-ELISA, WB-Ce, WB-Re, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Isotype: IgG1 kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 51176

Gene Symbol: LEF1

Gene Alias: DKFZp586H0919, TCF1ALPHA

Gene Summary: LEF1 is a nuclear protein that is expressed in pre-B and T cells. It binds to a functionally important site in the T-cell receptor-alpha (TCRA; MIM 186880) enhancer and confers maximal enhancer activity. LEF1 belongs to a family of regulatory proteins that share homology with high mobility group protein-1 (HMG1; MIM 163905) (Waterman et al., 1991 [PubMed 2010090]; van Genderen et al., 1994 [PubMed 7958926]).[supplied by OMIM]

References:

1. Regulation of ?]-catenin nuclear dynamics by GSK-3?] involves a LEF-1 positive feedback loop. Jamieson C, Sharma M, Henderson BR. Traffic. 2011 Apr 15. doi: 10.1111/j.1600-0854.2011.01207.x. [Epub ahead of print]

2. LEF-1 negatively controls interleukin-4 expression through a proximal promoter regulatory element. Hebenstreit D, Giaisi M, Treiber MK, Zhang XB, Mi HF, Horejs-Hoeck J, Andersen KG, Krammer PH, Duschl A, Li-Weber M. J Biol Chem. 2008 Aug 15;283(33):22490-7. Epub 2008 Jun 25.