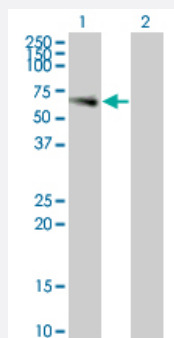


LILRA3 monoclonal antibody (M01), clone 2E9

Catalog # H00011026-M01

Size 100 ug

Applications

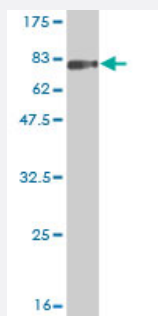


Western Blot (Transfected lysate)

Western Blot analysis of LILRA3 expression in transfected 293T cell line by LILRA3 monoclonal antibody (M01), clone 2E9.

Lane 1: LILRA3 transfected lysate(50.485 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (74.03 KDa).

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant LILRA3.

Immunogen

LILRA3 (AAH28208.1, 1 a.a. ~ 439 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MTSILTVLICLGLSLDPRTHVQAGPLPKPTLWAEPGSVITQGSPVTLRCQGSLETQEYHLYREKKTA
LWITRIPQELVKKGQFPILSITWEHAGRYCCYGSHTVGLSESSDPLELVVTGAYSKPTLSALPSPV
VTSGGNVTIQCDSSQVAFDGFILCKEGEDEHPQCLNSHSHARGSSRAIFSVGPVSPSRRWSYRCY
GYDSRAPYVWSLPSDLLGLLVPGVSKKPSLSVQPGPVVAPGEKLTFCGSDAGYDRFVLYKEW
GRDFLQRPGRQPQAGLSQANFTLGPVSRSYGGQYTCGAYNLSSEWSAPSDPLDILITGQIRARP
FLSVRPGPTVASGENVTLLCQSQGGMHTFLLTKEGAADSPLRLKSKRQSHKYQAEFPMSPV TSA
HAGTYRCYGSLSNNPYLLTHPSDPLELVSGAAETLSPPQNKSDSKAGE

Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (74.03 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of LILRA3 expression in transfected 293T cell line by LILRA3 monoclonal antibody (M01), clone 2E9.

Lane 1: LILRA3 transfected lysate(50.485 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — LILRA3

Entrez GeneID	11026
GeneBank Accession#	BC028208
Protein Accession#	AAH28208.1
Gene Name	LILRA3
Gene Alias	CD85E, HM31, HM43, ILT6, LIR-4, LIR4, e3
Gene Description	leukocyte immunoglobulin-like receptor, subfamily A (without TM domain), member 3
Omim ID	604818

Gene Ontology

[Hyperlink](#)

Gene Summary

Leukocyte Ig-like receptors (LIRs) are a family of immunoreceptors expressed predominantly on monocytes and B cells and at lower levels on dendritic cells and natural killer (NK) cells. All LIRs in subfamily B have an inhibitory function (see, e.g., LILRB1, MIM 604811). LIRs in subfamily A, with short cytoplasmic domains lacking an immunoreceptor tyrosine-based inhibitory motif (ITIM) and with transmembrane regions containing a charged arginine residue, may initiate stimulatory cascades (see LILRA1, MIM 604810). One member of subfamily A (LILRA3) lacks a transmembrane region and is presumed to be a soluble receptor (Borges et al., 1997 [PubMed 9548455]).[supplied by OMIM]

Other Designations

OTTHUMP00000067955|OTTHUMP00000067957|leucocyte immunoglobulin-like receptor|leukocyte immunoglobulin-like receptor 4|leukocyte immunoglobulin-like receptor A3

Publication Reference

- [Nuclear Leukocyte Immunoglobulin-like Receptor A3 Is Monomeric and Is Involved in Multiple Layers of Regulated Gene Expression and Translation.](#)

Hongyan An, Alexander Richardson, Poomima Rajasekariah, Ling Zhong, Bentotage Samitha M Fernando, Alexander Macmillan, Enrico Klotzsch, Katherine Bryant, Nadeem O Kaakoush, Nicodemus Tedla.

Journal of Proteome Research 2021 Jun; 20(6):3078.

Application: WB-Tr, Human, HEK 293T cells, Human primary monocytes

- [TLR8 regulation of LILRA3 in monocytes is abrogated in human immunodeficiency virus infection and correlates to CD4 counts and virus loads.](#)

Low HZ, Ahrenstorf G, Pommerenke C, Habermann N, Schughart K, Ordóñez D, Stripecke R, Wilk E, Witte T.

Retrovirology 2016 Mar; 13:15.

Application: WB-Ce, Human, PBMCs

- [Serum Leukocyte Immunoglobulin-Like Receptor A3 \(LILRA3\) Is Increased in Patients with Multiple Sclerosis and Is a Strong Independent Indicator of Disease Severity; 6.7kb LILRA3 Gene Deletion Is Not Associated with Diseases Susceptibility.](#)

An H, Lim C, Guillemin GJ, Vollmer-Conna U, Rawlinson W, Bryant K, Tedla N.

PloS One 2016 Feb; 11(2):1.

Application: ELISA, Human, Serum

- [Soluble LILRA3 promotes neurite outgrowth and synapses formation through high affinity interaction with Nogo 66.](#)

An H, Brett M, Lee T, Heng B, Lim CK, Guillemin GJ, Lord MS, Klotzsch E, Geczy CL, Bryant K, Fath T, Tedla N.

Journal of Cell Science 2016 Mar; 129(6):1198.

Application: WB-Re, Recombinant protein

- [Glycosylation in a mammalian expression system is critical for the production of functionally active leukocyte immunoglobulin-like receptor A3 protein.](#)

Lee TH, Mitchell A, Liu Lau S, An H, Rajeaskariah P, Wasinger V, Raftery M, Bryant K, Tedla N.

The Journal of Biological Chemistry 2013 Nov; 288(46):32873.

Application: WB-Ce, Human, 293T cells

- [Soluble LILRA3, a Potential Natural Antiinflammatory Protein, Is Increased in Patients with Rheumatoid Arthritis and Is Tightly Regulated by Interleukin 10, Tumor Necrosis Factor- \$\alpha\$, and Interferon- \$\gamma\$.](#)

An H, Chandra V, Piraino B, Borges L, Geczy C, McNeil HP, Bryant K, Tedla N.

The Journal of Rheumatology 2010 Aug; 37(8):1596.

Application: ELISA, WB, Human, Human serum, Recombinant protein

Disease

- [Celiac Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Multiple Sclerosis](#)
- [Psoriasis](#)