

LILRA3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant LILRA3.

Catalog # AT2714a

Specification

LILRA3 Antibody (monoclonal) (M01) - Product Information

Application	WB
Primary Accession	O8N6C8
Other Accession	BC028208
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	47472

LILRA3 Antibody (monoclonal) (M01) - Additional Information

Gene ID 11026

Other Names

Leukocyte immunoglobulin-like receptor subfamily A member 3, CD85 antigen-like family member E, Immunoglobulin-like transcript 6, ILT-6, Leukocyte immunoglobulin-like receptor 4, LIR-4, Monocyte inhibitory receptor HM43/HM31, CD85e, LILRA3, ILT6, LIR4

Target/Specificity

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.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

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

Precautions

LILRA3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

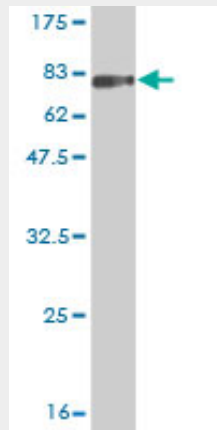
LILRA3 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

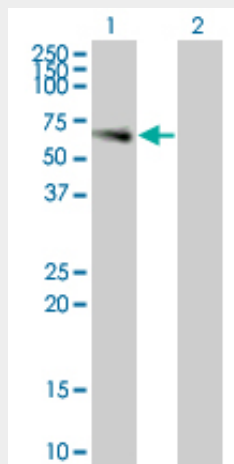
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LILRA3 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (74.03 kDa) .



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.

LILRA3 Antibody (monoclonal) (M01) - Background

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]).

LILRA3 Antibody (monoclonal) (M01) - References

1. 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 NJ Biol Chem. 2013 Sep 30. 2. Soluble LILRA3, a Potential Natural Antiinflammatory Protein, Is Increased in Patients with Rheumatoid Arthritis and Is Tightly Regulated by Interleukin 10, Tumor Necrosis Factor- α , and Interferon- γ . An H, Chandra V, Piraino B, Borges L, Geczy C, McNeil HP, Bryant K, Tedla N. J Rheumatol. 2010 Jul 1. [Epub ahead of print]