



# SZABO SCANDIC

Part of Europa Biosite

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Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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# TECHNICALLY Speaking

Place your order with CEDARLANE® or your local distributor.

Please contact CEDARLANE® for lot specific information.

## Anti-Human TLR2 (CD282) Monoclonal Antibody

Catalogue#	Format	Size	Concentration	Isotype Control
CL7622AP	Purified	200ug	1 mg/ml	CLCMG100
CL7622B	Biotin	100ug	0.1 mg/ml	CLCMG115
CL7622F	FITC	100ug	0.1 mg/ml	CLCMG101
CL7622PE	PE	50ug	0.1 mg/ml	CLCMG104
CL7622NA	Purified, No Azide	1mg	1 mg/ml	CLCMG100

Isotype: Mouse IgG1

### DESCRIPTION:

Cedarlane's anti-human Toll-like Receptor 2 (TLR2) monoclonal antibody detects human TLR2 (CD282). This single membrane spanning, 784 amino acid, 90 KDa protein is a type of pattern recognition receptor (PRR) and recognizes structurally conserved microbial molecules as part of the innate immune response.

TLR2 is activated in response to LPS (lipopolysaccharide) stimulation, resulting in NFκB activation and translocation. The TLR2 monoclonal antibody inhibits the production of inflammatory cytokines making it a selective inhibitor of TLR2 activation. TLR2 is expressed on peripheral blood macrophages, monocytes and leukocytes.

This anti-body has been reported to work in Flow Cytometry, ELISA and Immunoprecipitation.

### PRESENTATION:

**Purified:** Purified IgG buffered in PBS and 0.02% NaN<sub>3</sub>. (Purified from ascitic fluid via Protein G Chromatography).

**Biotin, FITC and PE:** Biotin/FITC/PE conjugated IgG buffered in PBS, 0.02% NaN<sub>3</sub> and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/mL.

**No Azide:** Purified Ig buffered in PBS, no preservative, 0.2µm sterile filtered.

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For more information or to place an order please contact...

**CEDARLANE®**  
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or visit our website for a list of our international distributors including contact information

website: [www.cedarlanelabs.com](http://www.cedarlanelabs.com) • e-mail: [info@cedarlanelabs.com](mailto:info@cedarlanelabs.com)

**STORAGE/STABILITY:**

For all formats, store at 4°C. DO NOT FREEZE PE conjugates. For long term storage (**Purified, Biotin, FITC, No Azide**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

**SPECIFICATIONS:**

Clone: 11G7

Hybridoma Production:

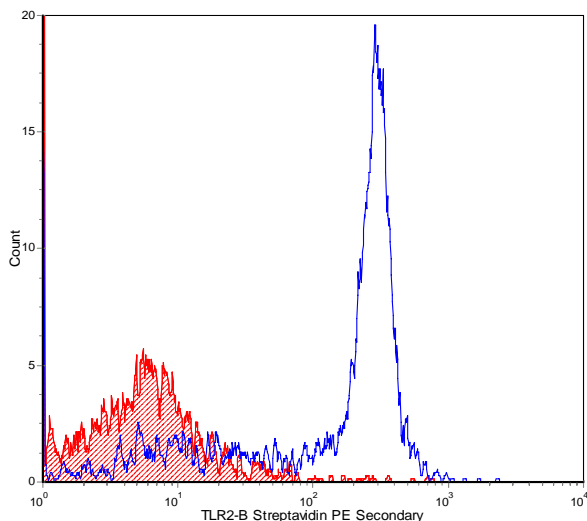
Immunization:  
Immunogen: Human TLR2  
Donor: mouse ascites fluid

Specificity: Human TLR2 (CD282)

**TEST RESULTS:**

Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: BALB/c  
Cell Concentration : 1x10<sup>6</sup> cells per tests  
Antibody Concentration Used: 1.0 µg/10<sup>6</sup> cells  
Isotypic Control: Biotin mouse IgG1



Cell Source: Human Peripheral Blood Leukocytes labelled with CL7622B including isotypic control.  
Percentage of cells stained above control: 47.8%

**N.B. Appropriate control samples should always be included in any labeling studies.**

**\* For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.**

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**REFERENCES:**

1. Sandor, F. et al. 2003. Importance of Extra- and Intracellular domains of TLR1 and TLR2 in NF $\kappa$ B signaling. *The Journal of Cell Biology*. September 15, 162(6) 1099-1110.
2. Akira, S. et al. 2001. Toll-like Receptors: Critical Proteins Linking Innate and Acquired Immunity. *Nature Immunology*. August, 2(8) 675-680.

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