



20150116ML

# Anti-Human CD102 (#7L4)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>101-M287</b>
Size:	100 µg
Lot. No.:	According to product label

**Preparation:** This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with human recombinant protein of CD102 extracellular domain (also called ICAM-2).

## Target Background

<b>Synonyms (Target):</b>	ICAM2; CD102
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Intercellular adhesion molecule 2 (ICAM-2), also known as CD102, is a member of the immunoglobulin superfamily and binds the leukocyte integrins LFA-1 (CD11a/CD18) and Mac-1 (CD11b/CD18). ICAM-2 is constitutively expressed at high levels on vascular endothelial cells and lymphohematopoietic cells. ICAM-2 mediated adhesion has been shown to provide a co-stimulatory signal for T cell aggregation, NK cytotoxicity and NK cell migration.

## Database References Target

<b>Protein RefSeq:</b>	NP_001093256.1
<b>Uniprot ID:</b>	P13598
<b>mRNA RefSeq:</b>	NM_001099786.1

## Product Specifications

<b>Host</b>	Mouse
<b>Reactivity against</b>	Human
<b>Clonality</b>	Monoclonal Antibody
<b>Clone</b>	(#7L4)
<b>Isotype</b>	IgG1
<b>Purification</b>	Protein G chromatography
<b>Antigen</b>	Human recombinant CD102 EC domain
<b>Formulation</b>	lyophilized
<b>Reconstitution buffer</b>	PBS (sterile)

**Reconstitution:** Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

**Stability:** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

**Remarks:** This antibody was selected for its ability to detect human CD102.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

The antibody can be used within the following applications:  
WB

**Recommended usage:**

**WB:** 1:500-2000

**NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!**