



20150116ML

# Anti-Human CD58 (#8G24)

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

<b>Cat.-no.:</b>	<b>101-M311</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 CD58 extracellular domain (also called LFA-3).

## Target Background

<b>Synonyms (Target):</b>	CD58; ag3; LFA3; LFA-3
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CD58, also known as lymphocyte function-associated antigen (LFA-3) is a cell-bound immunoglobulin superfamily receptor with only one known ligand, CD2. CD58 is widely expressed on human hematopoietic and non-hematopoietic tissues, leukocytes, erythrocytes, endothelial and epithelial cells, and fibroblasts. The engagement of CD58 with CD2 optimizes immune recognition and initiates T cell expansion and activation. These contact activities can occur between helper T cells and antigen-presenting cells and cytolytic effectors and target cells.

## Database References Target

<b>Protein RefSeq:</b>	NP_001770.1
<b>Uniprot ID:</b>	P19256
<b>mRNA RefSeq:</b>	NM_001779.2

## Product Specifications

<b>Host</b>	Mouse
<b>Reactivity against</b>	Human
<b>Clonality</b>	Monoclonal Antibody
<b>Clone</b>	(#8G24)
<b>Isotype</b>	IgG2
<b>Purification</b>	Protein G chromatography
<b>Antigen</b>	human recombinant CD585 extracellular 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 CD58.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

The antibody can be used within the following applications:  
WB, FC

### Recommended usage:

**WB:** 1:500-1000**FC:** 1:20-100

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