

# Monoclonal Anti-CD52 Antibody, Human IgG1, Research Grade

Catalog # CD2-C263GN



BIOSYSTEMS  
**Acro**

## Features and Advantages

- Native Conformation: Native sequences, tag-free and natural function.
- Reliable Activity: Biological activity calibrated against WHO/NIBSC standards.
- Stringent Quality Control: Protein content, purity, and cell-based bioactivity testing for each batch.
- Lowest Endotoxin level (<0.01 EU/ug).
- Safety Assurance: Sterile filtration through 0.2 µm membrane.
- AOF: Animal origin-free raw materials throughout the production process.

## Source

Monoclonal Anti-CD52 Antibody, Human IgG1, Research Grade (CD2-C263GN) is a recombinant humanized anti-CD52 monoclonal antibody, produced using the HEK293 expression system.

## Isotype

Human IgG1 | Human Kappa

## Specificity

This product is an antibody that specifically reacts with human CD52.

## Endotoxin

Less than 0.01 EU per µg by the LAL method / rFC method.

## Purity

>95% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

## Formulation

Supplied as 0.2 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

## Shipping

**This product is supplied and shipped with dry ice, please inquire the shipping cost.**

## Storage

For long term storage, the product should be stored at liquid state at -70°C.

**Please avoid repeated freeze-thaw cycles.**

This product is stable after storage at:

- -70°C for 24 months.

## ACRO Quality Management System

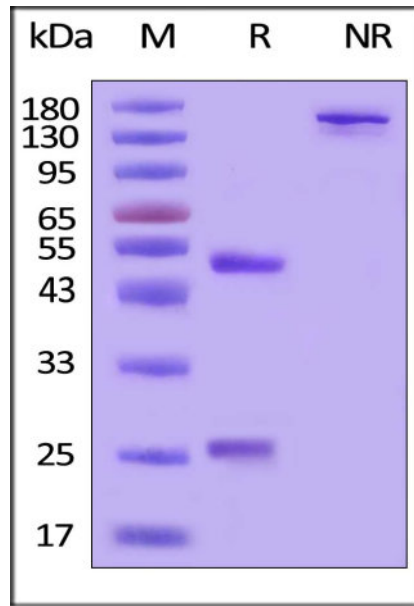
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

## Quality Description

ACRO's **Research-grade** products are suitable for a wide range of cell culture applications, particularly for research use in academic institutions. These products are sterilized by filtration, followed by lyophilization where applicable. Typical specifications include endotoxin levels of <0.01 EU/µg and purities >95%. Biological activity is calibrated against WHO/NIBSC standards when available.

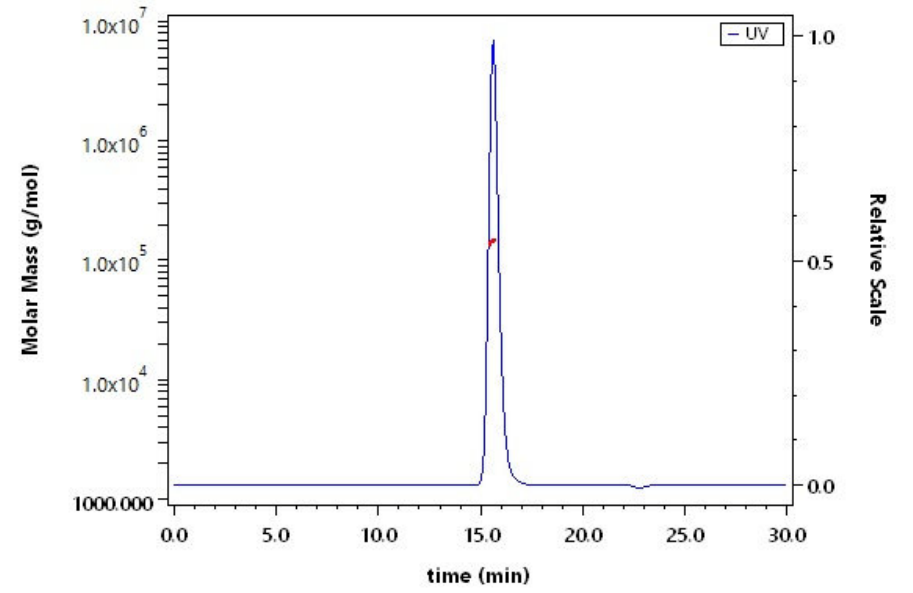
ACRO's **Premium-grade (Pre-GMP)** products are characterized by their high quality and enhanced safety profiles, making them ideal for early-stage discovery and manufacturing processes in cell therapy companies. A key advantage is their seamless transition to corresponding GMP-grade versions. Biological activity is calibrated against WHO/NIBSC standards when available. Typical specifications include endotoxin levels of <0.01 EU/µg and purities >95%. In addition, rigorous testing is conducted to ensure the absence of mycoplasma, HCD, and HCP, thereby guaranteeing product safety.

## SDS-PAGE



Monoclonal Anti-CD52 Antibody, Human IgG1, Research Grade on SDS-PAGE under reducing (R) and non-reducing (NR) conditions. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

## SEC-MALS



The purity of Monoclonal Anti-CD52 Antibody, Human IgG1, Research Grade (Cat. No. CD2-C263GN) is more than 95% and the molecular weight of this protein is around 130-160 kDa verified by SEC-MALS.

## Background

CAMPATH-1 antigen, also known as cluster of differentiation 52 (CD52), is a glycoprotein that in humans is encoded by the CD52 gene. It is widely expressed on the cell surface of immune cells, such as mature lymphocytes, natural killer cells (NK), eosinophils, neutrophils, monocytes/macrophages, and dendritic cells (DCs). Ligand of cell surface CD52 molecules may offer costimulatory signals for T-cell activation and proliferation.

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5/13/2026