

For Research Use Only

# Recombinant Human CD79B protein (rFc Tag)



Catalog Number: Eg2073

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**

>90 %, SDS-PAGE

**Endotoxin Level:**

<0.1 EU/  $\mu$ g protein, LAL method

**Source:**

HEK293-derived Human CD79B protein Ala29-Asp159 (Accession# P40259-1) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**

974

**Accession:**

P40259-1

**Predicted Molecular Mass:**

41.5 kDa

**SDS-PAGE:**

48-65 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

CD79 molecule encompasses two transmembrane proteins, CD79a and CD79b, which form a disulfide-linked heterodimer and are members of the immunoglobulin (Ig) gene superfamily. CD79b molecule (also known as B29, IGB, AGM6, and Igbeta) is expressed almost exclusively on B cells and B-cell neoplasms, influencing antigen internalization and increasing antigen presentation efficiency. CD79b mutation could be a key biomarker for DLBCL disease progression.

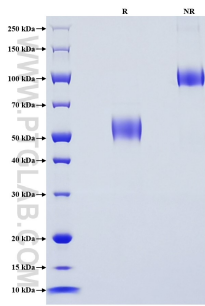
## References

1. C J van Noesel, et al. (1991) J Immunol. Jun 1;146(11):3881-8.
2. C J Van Noesel, et al. (1992) J Exp Med. Jun 1;175(6):1511-9.
3. J Hombach, et al. (1990) Nature. Feb 22;343(6260):760-2.
4. C Bonnerot, et al. (1995) Immunity. Sep;3(3):335-47.
5. Peng-Peng Xu, et al. (2022) Clin Lymphoma Myeloma Leuk. Dec;22(12):e1051-e1058.e1.

## Synonyms

B29, B-cell antigen receptor complex-associated protein beta chain, B-cell-specific glycoprotein B29, Ig beta, IGB

## Selected Validation Data



Purity of Recombinant Human CD79B was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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