

## Recombinant Rat Cd79b, Fc-tagged

**Cat. No.** Cd79b-7487R    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                                       |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Rat Cd79b (O70153) (Met1-Asp158), fused with the Fc region of human IgG1 at the C-terminus, was expressed in human cells.                                                                                                                                 |
| <b>Species</b>              | Rat                                                                                                                                                                                                                                                                   |
| <b>Source</b>               | Human Cells                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>        | 1-158 a.a.                                                                                                                                                                                                                                                            |
| <b>Predicted N Terminal</b> | Val 26                                                                                                                                                                                                                                                                |
| <b>Form</b>                 | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.                                                                                                                                       |
| <b>Molecular Mass</b>       | The recombinant rat CD79B/Fc is a disulfide-linked homodimer. The reduced monomer comprises 374 amino acids and has a predicted molecular mass of 42.2 kDa. The apparent molecular mass of the protein is approximately 50 kDa in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>            | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                                                        |
| <b>Purity</b>               | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                                                      |
| <b>Stability</b>            | Samples are stable for up to twelve months from date of receipt at -70°C                                                                                                                                                                                              |

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|                       |                                                                                                                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                              |
| <b>Reconstitution</b> | A hardcopy of COA with reconstitution instruction is sent along with the products.                                                                                                                                                                        |
| <b>Shipping</b>       | In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise. |

## GENE INFORMATION

|                            |                                                                                                                                                                               |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | Cd79b Cd79b molecule, immunoglobulin-associated beta [ <i>Rattus norvegicus</i> (Norway rat) ]                                                                                |
| <b>Official Symbol</b>     | Cd79b                                                                                                                                                                         |
| <b>Synonyms</b>            | Cd79b; Cd79b molecule, immunoglobulin-associated beta; B29; Igb; B-cell antigen receptor complex-associated protein beta chain; CD79B antigen; immunoglobulin-associated beta |
| <b>Gene ID</b>             | 171055                                                                                                                                                                        |
| <b>mRNA Refseq</b>         | NM_133533                                                                                                                                                                     |
| <b>Protein Refseq</b>      | NP_598217                                                                                                                                                                     |
| <b>Chromosome Location</b> | 10q32.1                                                                                                                                                                       |
| <b>Pathway</b>             | Adaptive Immune System; Antigen activates B Cell Receptor (BCR) leading to                                                                                                    |

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generation of second messengers; B cell receptor signaling pathway

**Function**

transmembrane signaling receptor activity

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