Recombinant Rat Cd79b, Fc-tagged

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

SPECIFICATION

Product Overview	Recombinant Rat Cd79b (O70153) (Met1-Asp158), fused with the Fc region of human IgG1 at the C-terminus, was expressed in human cells.
Species	Rat
Source	Human Cells
ProteinLength	1-158 a.a.
Predicted N Terminal	Val 26
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
Molecular Mass	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.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70ºC

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Storage	Store it under sterile conditions at -20ºC to -80ºC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products.
Shipping	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

Gene Name	Cd79b Cd79b molecule, immunoglobulin-associated beta [Rattus norvegicus (Norway rat)]
Official Symbol	Cd79b
Synonyms	Cd79b; Cd79b molecule, immunoglobulin-associated beta; B29; Igb; B-cell antigen receptor complex-associated protein beta chain; CD79B antigen; immunoglobulin-associated beta
Gene ID	171055
mRNA Refseq	NM_133533
Protein Refseq	NP_598217
Chromosome Location	10q32.1
Pathway	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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