

Active Recombinant Mouse Cd101 Protein (Gln21-Phe974), C-mFc tagged

Cat. No. Cd101-18M Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Mouse Cd101 Protein (Gln21-Phe974) with Mouse IgG2a (Glu98-Lys330) Fc tag at C-terminus was expressed in Mouse myeloma cell line. |
| Species | Human |
| Source | NS0 |
| ProteinLength | Gln21-Phe974 |
| Description | Acts upstream of or within positive regulation of myeloid leukocyte differentiation. Predicted to be located in membrane. Predicted to be integral component of membrane. Orthologous to human CD101 (CD101 molecule). |
| Form | Disulfide-linked homodimer |
| Bio-activity | Measured by its ability to inhibit anti-CD3-induced proliferation of stimulated human T cells. The ED50 for this effect is 1.4-8.4 µg/mL. |
| Molecular Mass | Predicted Molecular Mass: 133 kDa SDS-PAGE: 121-150 kDa, reducing conditions |
| N-terminal Sequence Analysis | No results obtained. Gln21 inferred from enzymatic pyroglutamate treatment revealing Arg22. |

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|-----------------------|---|
| Endotoxin | < 0.10 EU/μg of the protein by the LAL method. |
| Purity | > 95 %, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining. |
| Storage | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, ≤ -20 centigrade under sterile conditions after reconstitution. |
| Storage Buffer | Lyophilized from a 0.2 μm filtered solution in PBS. |
| Reconstitution | Reconstitute at 400 μg/mL in PBS. |
| Shipping | The product is shipped with polar packs. |

GENE INFORMATION

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| Gene Name | Cd101 CD101 antigen [Mus musculus (house mouse)] |
| Official Symbol | Cd101 |
| Synonyms | Cd101; CD101 antigen; Gm734; Igsf2; Gm1016; EWI-101; immunoglobulin superfamily member 2; EWI immunoglobulin subfamily member EWI-101; glu-Trp-Ile EWI motif-containing protein 101; immunoglobulin superfamily, member 2; leukocyte surface protein |
| Gene ID | 630146 |
| mRNA Refseq | NM_001167906 |

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UniProt ID A8E0Y8

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