

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

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

SPECIFICATION

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

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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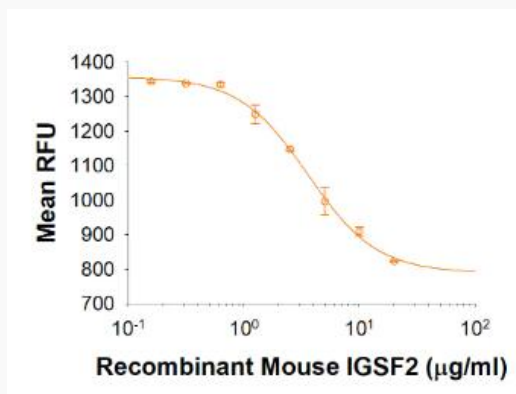
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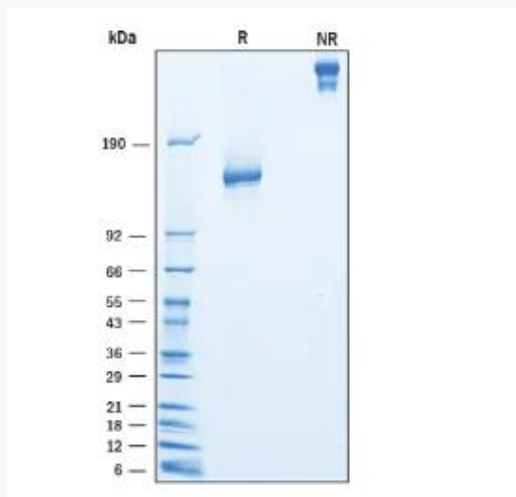
Protein Refseq NP_001161378

UniProt ID A8E0Y8

Bioactivity



SDS-PAGE



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