Active Recombinant human CLEC12B protein, Fc-tagged

Cat. No. CLEC12B-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CLEC12B protein, Fc-tagged was expressed in CHO cell
Species	Human
Source	CHO
Description	Enables protein phosphatase binding activity and signaling receptor inhibitor activity. Involved in natural killer cell inhibitory signaling pathway; negative regulation of natural killer cell mediated cytotoxicity; and negative regulation of signaling receptor activity. Located in external side of plasma membrane. Part of protein-containing complex.
Form	Disulfide-linked homodimer
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Human CLEC12B Fc Chimera is immobilized at 4 g/mL (100 µ/well), Recombinant Human MICA Fc Chimera binds with an ED50 of 1-6 µg/mL.
Molecular Mass	51 kDa
N-terminal Sequence Analysis	Met
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.

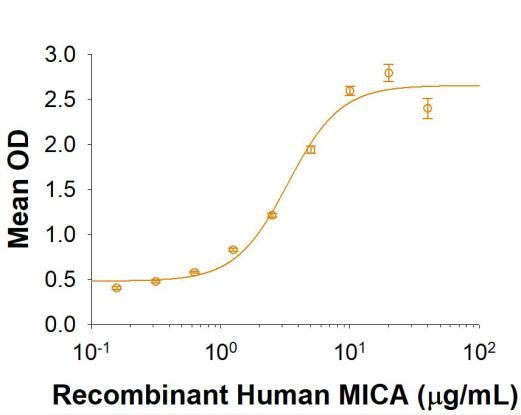
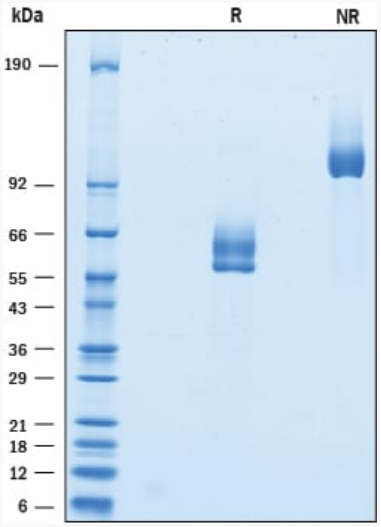
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Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Applications	Bioactivity
Storage	12 months from date of receipt, ≤ -20 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, ≤ -20 °C under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 500 µg/mL in PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

GENE INFORMATION

Gene Name	CLEC12B C-type lectin domain family 12 member B [Homo sapiens (human)]
Official Symbol	CLEC12B
Synonyms	C-type lectin domain family 12 member B, C-type lectin domain family 12, member B, CLEC12B, Macrophage Antigen H, UNQ5782, UNQ5782/PRO16089
Gene ID	387837
mRNA Refseq	NM_001129998.3
Protein Refseq	NP_001123470.1
MIM	617573

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UniProt ID	Q2HXU8
Recomobinant Human MICA (μg/mL)	 Recombinant Human CLEC-12B Fc Chimera Protein Binding Activity When Recombinant Human CLEC12B Fc Chimera is coated onto a microplate at 4 g/mL, Recombinant Human MICA Fc Chimera binds with an ED50 of 1-6 g/mL.
Recombinant Human CLEC-12B Fc Chimera Protein SDS-PAGE	 2 μg/lane of Recombinant Human CLEC12B was resolved with SDS-PAGE under

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reducing (R) and non-reducing (NR) conditions and visualized by Coomassie® Blue staining, showing bands at 54-66 kDa and 110-135 kDa, respectively.

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