



## Product Datasheet

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### Recombinant Mouse CD47 Fc-Fusion Protein

Cat No: Pr00113-1.9

## Product Summary

**Description:** Recombinant mouse CD47 Fc-Fusion Protein manufactured using [AbAb's Recombinant Platform](#)

**Protein:** Mouse CD47

**Fc domain:** Mouse IgG1

**Structure / Form:** Disulfide-linked homodimer

**Species:** Mouse

**Construct Design Note(s):** The extracellular domain of CD47 has been fused to the Fc domain of mouse IgG1.

**Host:** HEK293

**UniProt Accession Number:** P16410

**Alternative Description:** Leukocyte surface antigen CD47; CD47-Ig; CD47-Fc chimera; CD47 (Fc tag)

**Published Application(s):**

**Tested Applications(s):**

**Activity:** CD47 binds to SIRPA, which prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. Interaction with SIRPG mediates cell-cell adhesion, enhances superantigen-dependent T-cell-mediated proliferation and costimulates T-cell activation.

## Product Form

**Purification:** IMAC purified

**Supplied in:** PBS with preservative (0.02% Proclin 300)

**Endotoxin:** <1.0 EU/mg

**Shipping:** The product is shipped on blue ice. Upon receipt, store it immediately at the temperature recommended.

**Storage Recommendation:** Store at 4°C for up to 1 month. For longer term storage aliquot in small volumes and store at -20°C. Avoid repeated freeze-thaw cycles.

**SDS PAGE Purity:** >95%, as determined by SDS-PAGE and visualized by Coomassie Brilliant Blue.

**Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals**

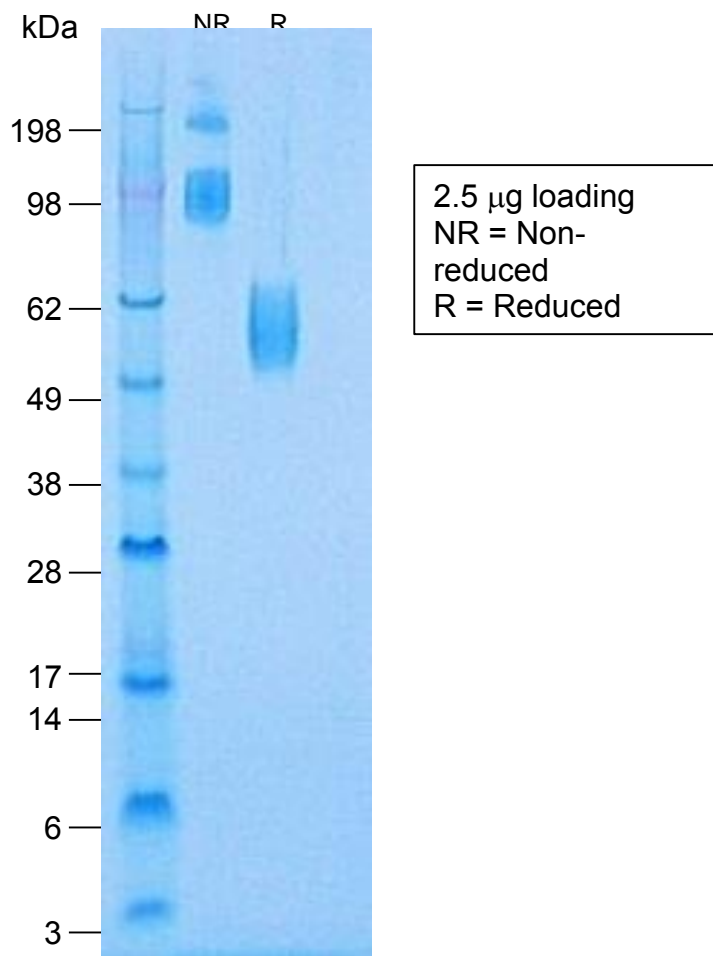
**Fc-Fusion Sequence (monomer)**

QLLFSNVNSIEFTSGNETVVIPCIVRNVEAQSTEEMFVKWKLNKS<sup>YIF</sup>YDGNKNSTTTDQNF<sup>TSAKISVSD</sup>LINGIASLK  
MDKRDAMVGN<sup>YTC</sup>EVTELSREGKTVIELKNRTAFNTDQGSGGGGSVPRDQGGCKPCICTVPEVSSVFIFPPKPKDVLTI  
TLTPKVTCVVVDISKDDPEVQFSWFVDDVEVHTAQTTPREEQINSTFRSVSELPIMHQDWLNGKEFKCRVNSAAFPAP  
IEKTISKTKGRPKAPQVYTIPPPKEQMAKDKVSLTCMITNFFPEDITVEWQWNGQPAENYKNTQPIMDTDGSYFVYSKL  
NVQKSNWEAGNTFTCSVLHEGLHNHHHTEKSLSHSPGKHHHHHH

Underlined amino acids sequence include a G4S linker and 6xHis epitope tag, respectively.

**Calculated Molecular weight (dimer):** 80515 Da

**Extinction coefficient:** 88360 (calculation performed as described by Pace *et al.* (1995), PMID: 8563639).



Pr00113-1.9 under non-reducing and reducing (DTT) conditions resolved by SDS-PAGE and stained using Coomassie-Blue.

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