



Sales Enquires: [sales@absoluteantibody.com](mailto:sales@absoluteantibody.com)  
Support Queries: [support@absoluteantibody.com](mailto:support@absoluteantibody.com)  
Tel: +44 (0) 1865 920810  
Fax: +44 (0) 1865 920811  
[absoluteantibody.com](http://absoluteantibody.com)

## Recombinant Mouse CD155 Fc-Fusion Protein

Cat No: Pr00231-1.9

### Product Summary

**Description:** Recombinant mouse CD155 Fc-Fusion Protein manufactured using [AbAb's Recombinant Platform](#)

**Protein:** Mouse CD155

**Fc domain:** Mouse IgG1

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

**Species:** Mouse

**Construct Design Note(s):** The extracellular domain of CD155 has been fused to the Fc domain of mouse IgG1.

**Host:** HEK293

**UniProt Accession Number:** Q91WP1

**Alternative Description:** Poliovirus receptor; CD155; CD155-Ig; CD155-Fc chimera; CD155 (Fc tag)

**Published Application(s):**

**Tested Applications(s):**

**Activity:** CD155 is a type I transmembrane glycoprotein of the immunoglobulin superfamily [PMID: 2538245] commonly known as Poliovirus Receptor (PVR) due to involvement in primate cellular poliovirus infection. The normal function of CD155 is in establishment of intercellular epithelial cell adherens junction and has a possible role in intestinal humoral immune responses [PMID: 17621371], and possibly in positively selecting MHC-independent T-cells in the thymus.

### Product Form

**Purification:** IMAC purified

**Supplied in:** 0.1 mg size: PBS with preservative (0.02% Proclin 300), 1 mg size: PBS only.

**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**

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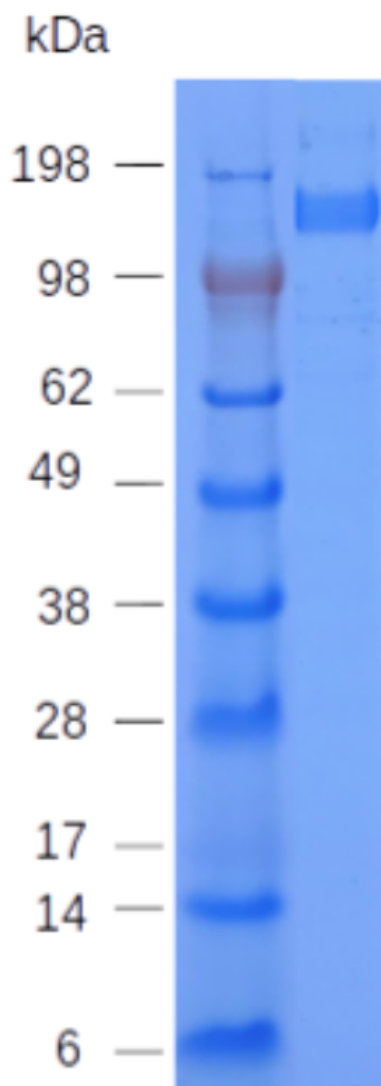
**Fc-Fusion Sequence (monomer)**

DIRVLVPYNSTGVLGGSTTLHCSLTSNENVITITQITWMKKDSGGSHALVAVFHPKKGPNIKEPERVKFLAAQQDLRNAS  
LAISNLSVEDEGIYECQIATFPRGSRSTNAWLKVQARPKNTAEALEPSPTLILQDVAKCISANGHPPGRISWPSNVNGSH  
REMKEPGSQPGTTTTSYLSMVPSRQADGKNITCTVEHESLQELDQLLVTL SQPYPPENVVSISGYDGNWYVGLTNLTLC  
EAHSPAPDMAGYNWSTTTGDFPNSVKRQGNMLLISTVEDGLNNTVIVCEVTNALGSGQGQVHIIVKEKPEGGGGSVP  
RDQGCKPCICTVPEVSSVFIFPPKPKDVLITLTPKVT CVVVDISKDDPEVQFSWFVDDVEVHTAQTKPREEQINSTFRS  
VSELPIMHQDWLNGKEFKCRVNSAAFPAPIEKTISKTKGRPKAPQVYTIPPPKEQMAKDKVSLTCMITNFFPEDITVEWQ  
WNGQPAENYKNTQPIMDTDGSYFVYSKLVNQKSNWEAGNTFTCSVLHEGLHNHHTEKSLSHSPGKHHHHHH

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

**Calculated Molecular weight (dimer):** 120468 Da

**Extinction coefficient:** 144880 (calculation performed as described by Pace *et al.* (1995), PMID: 8563639).



**CD155 (Pr00231-1.9 ) SDS-PAGE.** Pr00231-1.9 under non-reducing conditions resolved by SDS-PAGE and stained using Coomassie-Blue.

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