Product Datasheet

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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 involvment 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.

Cat No: Pr00231-1.9 Recombinant Mouse CD155 Fc-Fusion Protein

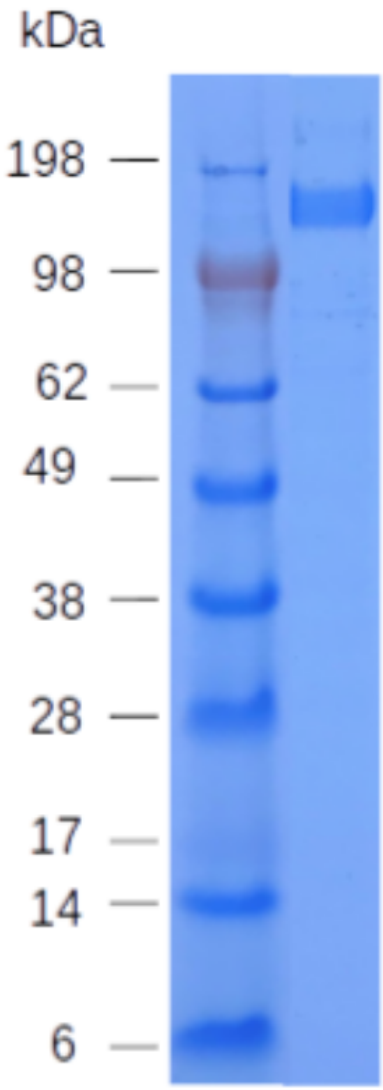
Fc-Fusion Sequence (monomer)

DIRVLVPYNSTGVLGGSTTLHCSLTSNENVTITQITWMKKDSGGSHALVAVFHPKKGPNIKEPERVKFLAAQQDLRNAS
LAISNLSVEDEGIYECQIATFPRGSRSTNAWLKVQARPKNTAEALEPSPTLILQDVAKCISANGHPPGRISWPSNVNGSH
REMKEPGSQPGTTTVTSYLSMVPSRQADGKNITCTVEHESLQELDQLLVTLSQPYPPENVSISGYDGNWYVGLTNLTLTC
EAHSKPAPDMAGYNWSTTTGDFPNSVKRQGNMLLISTVEDGLNNTVIVCEVTNALGSGQGQVHIIVKEKPEGGGGSVP
RDQGCKPCICTVPEVSSVFIFPPKPKDVLTITLTPKVTCVVVDISKDDPEVQFSWFVDDVEVHTAQTKPREEQINSTFRS
VSELPIMHQDWLNGKEFKCRVNSAAFPAPIEKTISKTKGRPKAPQVYTIPPPKEQMAKDKVSLTCMITNFFPEDITVEWQ
WNGQPAENYKNTQPIMDTDGSYFVYSKLNVQKSNWEAGNTFTCSVLHEGLHNHHTEKSLSHSPGKHHHHHH

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.

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