



Recombinant Human LMW IgM-Fc domain (monomeric)

Cat No: Pr00108-15.5

Product Summary

Description: Recombinant human low molecular weight Immunoglobulin mu heavy chain constant (LMW IgM-Fc domain) (monomeric subunit of a pentameric IgM), manufactured using [AbAb's Recombinant Platform](#)

Protein: Human LMW IgM-Fc domain (monomeric)

Structure / Form: Disulfide-linked homodimer

Species: Human

Construct: Human LMW IgM-Fc domain (monomeric) (V105-G434)-(6xHis)

Host: HEK293

UniProt Accession Number: P01871

Design Comment: 6xHis tag fused to the C-terminus to aid purification; Fc-domain amino acid sequence from Friedlander *et al.* (1990): PMID: 2115996; numbering of the amino acid sequence in accordance with the UniProt numbering scheme (uniprot.org)

Alternative Description: Fc region of human immunoglobulin mu; LMW IgM Fc Protein; LMW IgM-Fc protein; low molecular weight LMW IgM-Fc protein; Human Immunoglobulin mu heavy chain constant region; LMW human IgM-Fc control protein

Application(s): Recommended as: an immunogen to generate antibodies against the Human IgM-Fc domain; a control or standard for Human IgM-Fc assays or other Human IgM-Fc domain applications.

Product Form

Purification: Purified by Immobilized Metal Affinity Chromatography

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

Endotoxin: <1.0 EU/mg as determined by the LAL method.

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 3 month. For longer term storage aliquot in small volumes and store at -20°C. Avoid repeated freeze-thaw cycles.

SDS PAGE Purity: >98%, as determined by SDS-PAGE and visualised by Coomassie Brilliant Blue

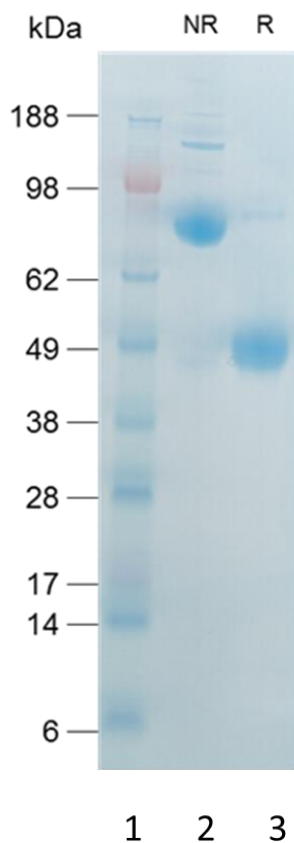
Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals

Fc-Fusion Sequence (monomer)

VIAELPPKVSFVPPRDGFFGNPRKSKLICQATGFSPRQIQVSWLREGKQVGSVTTDQVQAEAKESGPTTYKVTSTL
TIKESDWLGQSMFTCRVDHRGLTFQQNASSMCPDQDTAIRVFAIPPSFASIFLTKSTKLTCLVTDLTTYDSVTISWTRQ
NGEAVKTHTNISESHPNATFSAVGEASICEDDWNSGERFTCTVTHDLPSPKQTISRPKGVALHRPDVYLLPPAREQL
NLRESATITCLVTGFSPADVFVQWMQRGQPLSPEKYVTSAPMPEPQAPGRYFAHSILTVSEEEWNTGETYTCVVAHE
ALPNRVTERTVVDKSTGAHHHHHH

Calculated Molecular Weight (dimer): 74.5 kDa (apparent Molecular Weight may differ due to glycosylation and/or oligomerization).

Extinction coefficient: 85080 M⁻¹ cm⁻¹ (calculation performed as described by Pace [et al.](#) (1995), PMID: 8563639).

SDS-PAGE Image:

SDS PAGE Analysis: Lane 1 : Molecular Mass Markers. Lane 2: 2.5µg Recombinant Human LMW IgM-Fc domain resolved by SDS-PAGE under non-reducing (NR) conditions. Lane 3: 2.5µg Recombinant Human LMW IgM-Fc domain resolved by SDS-PAGE under reducing conditions

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