



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

Recombinant Human IgA-Fc domain

Cat No: Pr00105-16.5

Product Summary

Description: Recombinant human Immunoglobulin alpha heavy chain constant region (IgA-Fc), manufactured using [AbAb's Recombinant Platform](#)

Protein: Human IgA-Fc domain

Structure / Form: Disulfide-linked homodimer

Species: Human

Construct: Human IgA-Fc domain (T117-K335)-(6xHis)

Host: HEK293

UniProt Accession Number: P01876

Design Comment: 6xHis tag fused to the C-terminus to aid purification; Fc- domain sequence from IMGT database (imgt.org); numbering of the amino acid sequence in accordance with the UniProt numbering scheme (uniprot.org)

Alternative Description: Fc region of human immunoglobulin alpha; IgA Fc Protein; IgA-Fc protein; Human Immunoglobulin alpha heavy chain constant region; human IgA-Fc control protein

Application Code(s): Recommended as: an immunogen to generate antibodies against Human anti-IgA-Fc; a standard/control for Human IgA-Fc assays or other Human IgA-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

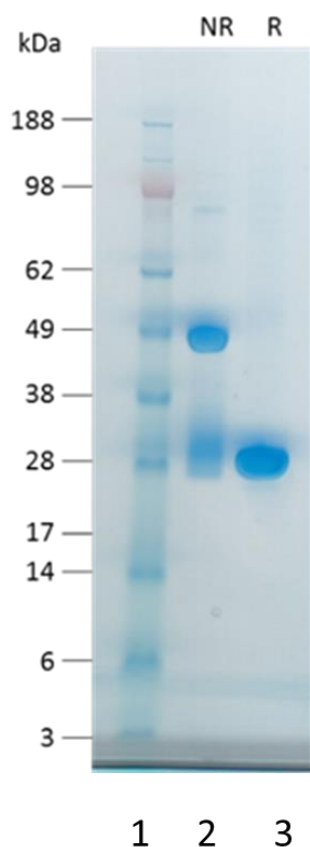
Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals

Fc-Fusion Sequence (monomer)

TVPCPCCHPRLSLHRPALEDLLLGSEANLTCTLTGLRDASGVFTFTWTPSSGKSAVQGPPERDLCGCYSVSSVLPGCA
EPWNHGKTFTCTAAYPESKTPLTATLSKSGNTFRPEVHLLPPPSEELALNELVTLTCLARGFSPKDVLRWLQGSQEL
PREKYLTWASRQEPSQGTTFFAVTSILRVAAEDWKKGDTFSCMVGHEALPLAFTQKTIDRLAGKHHHHHH

Calculated Molecular Weight (dimer): 49 kDa (apparent Molecular Weight may differ due to glycosylation).

Extinction coefficient: 65190 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 IgA-Fc domain resolved by SDS-PAGE under non-reducing (NR) conditions. Lane 3: 2.5µg Recombinant Human IgA-Fc domain resolved by SDS-PAGE under reducing conditions

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