absolute antibody

Product Datasheet

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Recombinant Mouse IgE-Fc domain

Cat No: Pr00107-20.5

Product Summary

Description: Recombinant mouse Immunoglobulin epsilon heavy chain constant region (IgE-Fc), manufactured using AbAb's Recombinant Platform

Protein: Mouse IgE-Fc domain

Structure / Form: Disulfide-linked homodimer

Species: Mouse

Construct: Mouse IgE-Fc domain (V91-N415)-(6xHis)

Host: HEK293

UniProt Accession Number: P06336

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

Alternative Description: Fc region of mouse immunoglobulin epsilon; IgE Fc Protein; IgE-Fc protein; Mouse Immunoglobulin epsilon heavy chain constant region; mouse IgE-Fc control protein

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

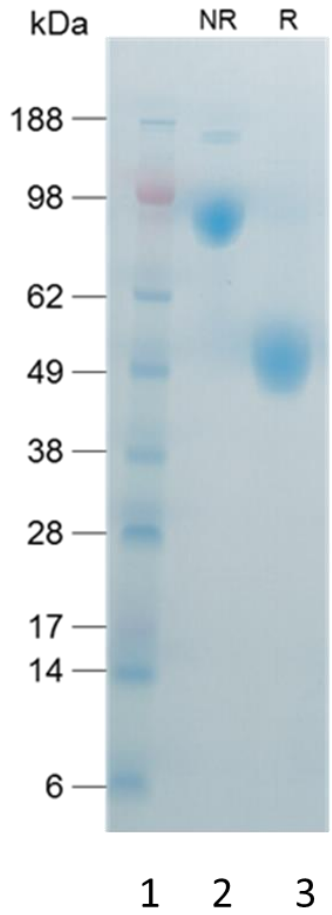
Fc-Fusion Sequence (monomer)

VRPVNITEPTLELLHSSCDPNAFHSTIQLYCFIYGHILNDVSVSWLMDDREITDTLAQTVLIKEEGKLASTCSKLNITEQQ
WMSESTFTCKVTSQGVDYLAHTRRCPDHEPRGVITYLIPPSPLDLYQNGAPKLTCLVVDLESEKNVNVTWNQEKKTSV
SASQWYTKHHNNATTSITSILPVVAKDWIEGYGYQCIVDHPDFPKPIVRSITKTPGQRSAPEVYVFPPPEEESEDKRTLT
CLIQNFFPEDISVQWLGDGKLISNSQHSTTTPLKSNGSNQGFFIFSRLEVAKTLWTQRKQFTCQVIHEALQKPRKLEKTI
STSLGNHHHHHH

Calculated Molecular Weight (dimer): 75.1 kDa (apparent Molecular Weight may differ due to glycosylation and/or oligomerization).

Extinction coefficient: 105170 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 Mouse IgE-Fc domain resolved by SDS-PAGE under non-reducing (NR) conditions. Lane 3: 2.5µg Recombinant Mouse IgE-Fc domain resolved by SDS-PAGE under reducing conditions