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Recombinant Human LAIR2 Fc-Fusion Protein

Cat No: Pr00239-10.9

Product Summary

Description: Recombinant human LAIR2 Fc-Fusion Protein manufactured using [AbAb's Recombinant Platform](#)

Protein: Human LAIR2

Fc domain: Human IgG1

Structure / Form: Disulfide-linked homodimer

Species: Human

Construct Design Note(s): The extracellular domain of LAIR2 has been fused to the Fc domain of human IgG1.

Host: HEK293

UniProt Accession Number: Q6ISS4

Alternative Description: Leukocyte-associated immunoglobulin-like receptor 2, LAIR-2, CD306; LAIR2-Ig; LAIR2-Fc chimera; LAIR2 (Fc tag)

Published Application(s):

Tested Applications(s):

Activity: LAIR2 is a member of the immunoglobulin superfamily, identified by similarity to LAIR1, and inhibitory receptor found at the cell surface of mononuclear leukocytes [PMID: 9285412]. LAIR2 is a soluble receptor thought to play roles in both collagen-induced platelet aggregation and formation of blood vessels during placental implantation [RefSeq].

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

Fc-Fusion Sequence (monomer)

QEGALPRPSISAEPGTVISPGSHVTFMCRGPVGVQTFRLEREDRAKYKDSYNVFRLGPSESEARFHIDSVSEGNAGLY
RCLYYKPPGWSEHSDFLELLVKESSGGPDSPDTEPGSSAGTVPGTEASGFDAPGGGGSEPKSQDKTHTCPPCPAPE
LLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVSVLTVLHQ
DWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPEN
NYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGHHHHHH

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

Calculated Molecular weight (dimer): 82978.84 Da

Extinction coefficient: 97920 (calculation performed as described by Pace *et al.* (1995), PMID: 8563639).

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