

For Research Use Only

anti-IL34 recombinant VHH, biotinylated



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Catalog Number: IL34-b

Basic Information

Catalog Number:
IL34-b

Applications:
BLI, SPR, ELISA

Host:
Alpaca

Conjugate:
Biotin

Type:
Nanobody

Class:
Recombinant

RRID:
AB_3665405

Molecular Weight:
15.0 kDa

Description

IL34-b is a recombinant mono-biotinylated anti IL34 Nanobody (VHH), suitable for ELISA, SPR, and BLI applications.

Affinity

330 nM

Background

IL-34 is a 6- α -helix, proinflammatory cytokine that serves as a ligand for colony-stimulating factor-1 receptor (CSF1R). It is expressed most abundantly by spleen cells. It primarily stimulates human peripheral blood monocyte proliferation and macrophage colony formation. It is also required for Langerhans cell and microglia development. IL-34 has been shown to play a protective role in cancer and Alzheimer's disease, but it can promote the progression of several autoimmune, inflammatory, and metabolic diseases. As such IL-34 could be used as a biomarker to mark the progression of these diseases (PMID: 22579672, 27577879, 31940023).

Storage

Storage:
Store at -20°C

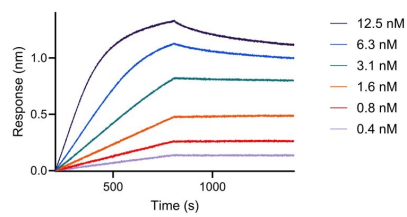
Storage Buffer:
10 mM HEPES pH 7.0, 500 mM NaCl, 5 mM EDTA, 0.09% sodium azide

For technical support and original validation data for this product please contact

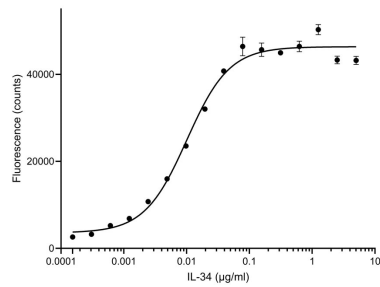
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1(312) 455-8498 (outside USA) W: www.ptglab.com

This product is exclusively available under
Proteintech Group brand and is not available
to purchase from any other manufacturer.

Selected Validation Data



BLI analysis of the capture of varying concentrations of HumanKine IL-34 (HZ-1316) by biotinylated anti-IL-34 VHH (IL34-b). Please note the higher apparent affinity owing to avidity effects (dimerization of the cytokine).



ELISA analysis of the capture of varying concentrations of HumanKine IL-34 (HZ-1316) by biotinylated anti-IL-34 VHH (IL34-b). Detection via mouse IgG1 ABIN969216.