anti-IL6 recombinant VHH, CoraLite® Plus 647

chromotek®

www.ptglab.com

Catalog Number: CL647-IL6

Basic Information

Catalog Number:
CL647-IL6

Applications:
IF, FC

Host:
Alpaca

Conjugate:
CoraLite® Plus 647

Type:
Nanobody

Class:
Recombinant

RRID:
AB_3665392

Molecular Weight:
14.1 kDa

Description

CL647-IL6 is a recombinant CoraLite® Plus 647 conjugated anti IL6 Nanobody (VHH) that targets IL6 in IF and FC applications, showing reactivity with human samples.

Affinity

3 nM

Excitation/Emission Maxima Wavelengths

654 nm / 674 nm

Background

Interleukin-6 (IL-6) is an interleukin that acts as both a pro-inflammatory and anti-inflammatory cytokine. IL-6 protein is secreted by a variety of cell types including T cells and macrophages as phosphorylated and variably glycosylated molecule. IL-6 plays an essential role in the final differentiation of B-cells into Ig-secreting cells involved in lymphocyte and monocyte differentiation. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. IL-6 is also considered a myokine, a cytokine produced from muscle, and is elevated in response to muscle contraction. IL-6 has been shown to interact with interleukin-6 receptor and glycoprotein 130. Additionally, IL-6 is involved in hematopoiesis, bone metabolism, and cancer progression, and has been defined an essential role in directing transition from innate to acquired immunity.

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

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or E: proteintech@ptglab.com
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
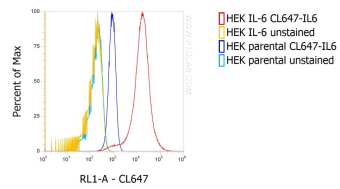
1X10^6 HEK IL-6 stable expressing cells (red) and HEK parental cells (blue) were intracellularly stained with 0.25 μg anti-IL6 recombinant VHH, CoraLite® Plus 647 (CL647-IL6). Cells were treated with Brefeldin A and Monensin for 6 h before fixation.