

For Research Use Only

anti-CTLA4 recombinant VHH, for 2xCys conjugation



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Catalog Number: **ctlCys2**

Basic Information

Catalog Number:
ctlCys2

Applications:
Conjugation

Host:
Alpaca

Conjugate:
Unconjugated

Type:
Nanobody

Class:
Recombinant

RRID:
AB_3101936

Molecular Weight:
14.005 kDa

Description

Alpaca anti-CTLA4 VHH, purified recombinant binding protein. Suitable for for cysteine conjugation with thiol-reactive reagents, e.g. maleimides. Note: unconjugated VHHs are not suited for usage without prior labeling, since they contain reactive Cysteines. Shipment and storage buffers contain TCEP to keep Cysteins reduced.

Affinity

22 nM

Background

CTLA-4, also known as CD152, belonging to the immunoglobulin superfamily, is primarily found on activated T cells and regulatory T cells (Tregs). CTLA-4 is closely related to the T-cell costimulatory CD28, and both molecules bind to B7-1 and B7-2 on antigen-presenting cells. CTLA-4 acts as a negative regulatory molecule of T-cell responses. Besides the full-length transmembrane form, CTLA-4 also exists in a truncated soluble form (sCTLA-4).

Storage

Storage:
Store at -20°C

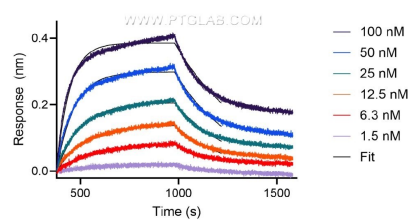
Storage Buffer:
10 mM HEPES, 500 mM NaCl, pH 7.0, 1 mM TCEP, 0.09% sodium azide

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

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Selected Validation Data



The affinity of anti-human CTLA recombinant VHH towards human CTLA was determined using biolayer interferometry (BLI). Biotinylated, recombinant human CTLA was immobilized on Streptavidin biosensors and assayed with 1.5 to 100 nM of FITC Plus conjugated-CTLA VHH (FITC-ctl). Fit indicates a 1:1 binding model fitted to the data.