

CTLA-4 mAb (9H10), InVivoPure+

Endotoxin level ≤ 1 EU/mg

Description:

The CTLA-4 mAb clone 9H10 antibody recognizes cytotoxic T lymphocyte antigen-4 (CTLA-4) also known as CD152. Antibody 9H10 has shown specific reactivity against CTLA-4 Ig but not CD4 Ig, as well as the ability to block CTLA-4 Ig by binding to B7 transfected cells. Staining of activated T cells, but not freshly isolated T cells, is reported, as well as the ability to stain a CTLA-4 transfectant but not control transfectants [1]. The CTLA-4 mAb (9H10) antibody has shown effectiveness in reducing tumor growth and metastasis in preclinical models [2]. These characteristics make the 9H10 antibody a reliable tool for identifying and studying CTLA-4 in various immunological contexts.

This antibody is produced exclusively under serum-free conditions from hybridoma and purified with Protein-A or Protein-G affinity chromatography.

Product-ID:	AK3607P+
Clone:	9H10
Immunogen:	This antibody was raised by immunizing Syrian hamsters with heat-killed <i>Staphylococcus A</i> bacteria coated in CTLA-4.
Host:	Syrian Hamster
Clonality:	Monoclonal
Isotype:	IgG
Formulation:	Clear Liquid, PBS, pH 7.4, 0.2 μ m sterile filtered
Concentration:	≥ 1.00 mg/mL
Purity:	≥ 95 % (CGE, reducing conditions) ≤ 5 % aggregates (analytical SEC)
Endotoxin:	≤ 1 EU/mg (LAL test)
Storage:	2 - 8 °C

The product is for research use only and not for use in diagnostic or therapeutic procedures.

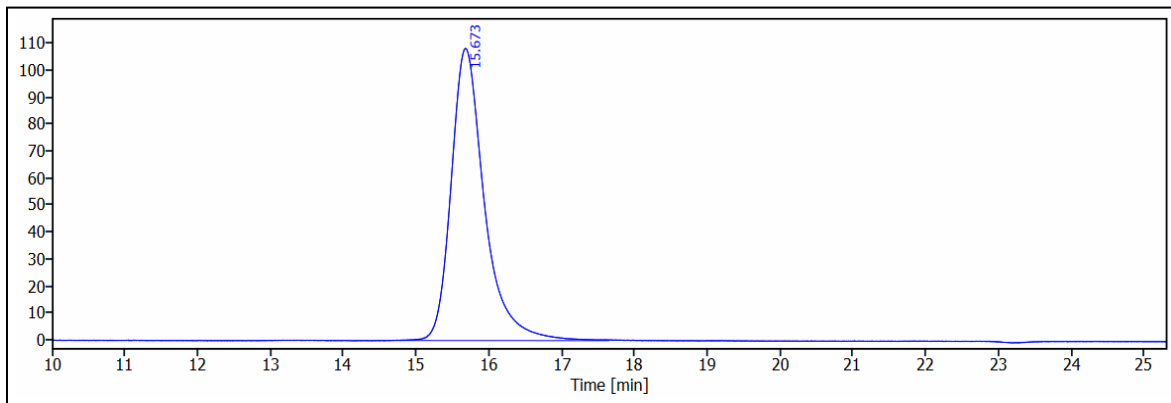
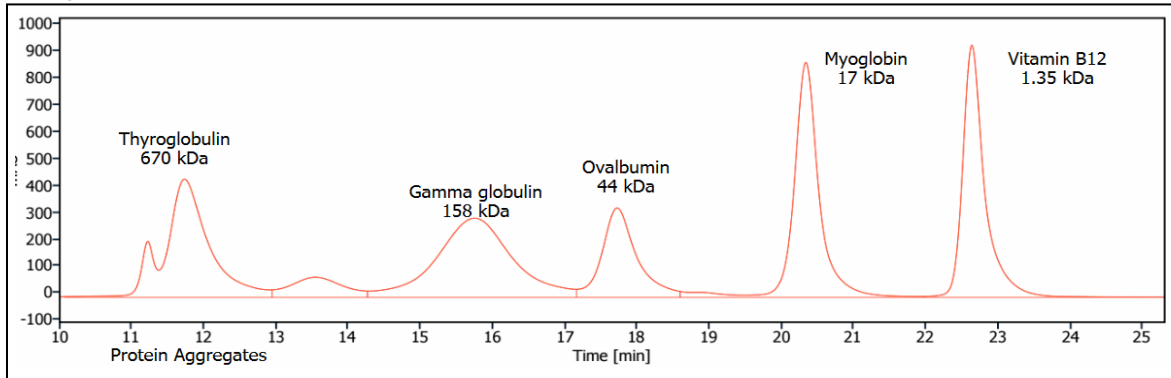
InVivo BioTech Services GmbH is certified to [ISO 9001](#) and [ISO 13485](#).

Literature:

- [1] Krummel MF, Allison JP. CD28 and CTLA-4 have opposing effects on the response of T cells to stimulation. *J Exp Med.* 1995 Aug 1;182(2):459-65. doi: 10.1084/jem.182.2.459. PMID: 7543139; PMCID: PMC2192127.
- [2] Demaria S, Kawashima N, Yang AM, Devitt ML, Babb JS, Allison JP, Formenti SC. Immune-mediated inhibition of metastases after treatment with local radiation and CTLA-4 blockade in a mouse model of breast cancer. *Clin Cancer Res.* 2005 Jan 15;11(2 Pt 1):728-34. PMID: 15701862.

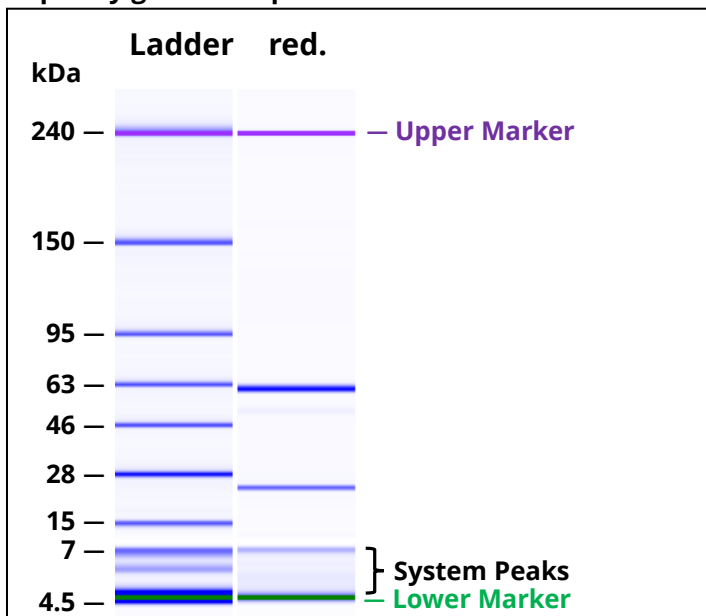
CTLA-4 mAb (9H10), InVivoPure+ — Supplementary Data

Analytical SEC:



Analytical SEC of purified protein (blue) in comparison with gel filtration standard (red).

Capillary gel electrophoresis:



CGE of the purified protein under reducing (red.) conditions.