

IVMB0455

Product Information

Product SKU: IVMB0455	Clone: MDX-010	Target: CTLA-4
Size: 100 µg		Isotype: Human IgG1k

Additional Information

Reactivity: Human	Host Species: Human
Antibody Type: Biosimilar Recombinant Human Monoclonal Antibody	Expression Host: HEK-293 Cells

Immunogen Information

Background: Cytotoxic T-lymphocyte-associated antigen 4 (CTLA-4) is a protein receptor that serves as an immune checkpoint and down-regulates the immune system. CTLA-4 is constitutively expressed in regulatory T cells but is only upregulated in conventional T cells following activation. Many cancers, including Melanoma, are associated with CTLA-4 upregulation because the body's ability to recognize and destroy cancer cells is hampered by an inhibitory mechanism. Ipilimumab targets CTLA-4 and works by turning off this inhibitory mechanism and, thus, enhances the body's own immune response against cancer cells."² Emerging research suggests that combined blockade of PD-1 and CTLA-4, with Nivolumab and Ipilimumab respectively, could produce greater antitumor activity than blockade of either pathway alone.¹ This cost-effective, research-grade Anti-Human CTLA-4 (Ipilimumab) utilizes the same variable regions from the therapeutic antibody Ipilimumab making it ideal for research projects.

Product Concentration: 0.5 mg/ml

Applications: ELISA

Synonyms: CD; GSE; GRD4; ALPS5; CD152; CTLA-4; IDDM12; CELIAC3

Antigen Distribution: CTLA4 is constitutively expressed in regulatory T cells.

Immunogen: Human CTLA-4

- Formulation:** This Biotinylated antibody is formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.4, 1% BSA and 0.09% sodium azide as a preservative.
- Specificity:** This non-therapeutic biosimilar antibody uses the same variable region sequence as the therapeutic antibody Ipilimumab. Ipilimumab binds to Human CTLA-4. This product is for research use only.
- Pathogen Testing:** -
- Storage & Handling:** This biotinylated antibody is stable when stored at 2-8°C. Do not freeze.