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12-8058: Anti-Human CTLA-4 (Ipilimumab) – Fc Muted™ Biotin

Clonality :	Monoclonal
Clone Name :	MDX-010
Application :	ELISA
Reactivity :	Human
Alternative Name :	CD; GSE; GRD4; ALPS5; CD152; CTLA-4; IDDM12; CELIAC3
Isotype :	Human IgG1k
Immunogen Information :	Human CTLA-4

Description

Expression Host : HEK-293

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.
Cytotoxic T-lymphocyteÂ–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 bodyÂ'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 bodyÂ's own immune response against cancer cells.Â"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 Info

Amount :	100 µg
Content :	Concentration : 0.5 mg/ml 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.
Storage condition :	This biotinylated antibody is stable when stored at 2-8°C. Do not freeze.

Application Note

The suggested concentration for Ipilimumab biosimilar antibody for staining cells in flow cytometry is <= 1.0 µg per 106 cells in a volume of 100 µl. Titration of the reagent is recommended for optimal performance for each application.ELISA

For Research Use Only. Not for use in diagnostic/therapeutics procedures.