

Mouse Anti-CTLA4/CD152 [F8]: MC0381, MC0381RTU7

Intended Use: For Research Use Only

Description: CTLA4 is a member of the immunoglobulin superfamily and encodes a protein which transmits an inhibitory signal to T cells. The protein contains a V domain, a transmembrane domain, and a cytoplasmic tail. The B7-related cell surface proteins CD80 (B7-1) and CD86 (B7-2) are expressed on antigen presenting cells, bind the homologous T cell receptors CD28 and CTLA-4 (cytotoxic T lymphocyte-associated protein-4) and trigger costimulatory signals for optimal T cell activation. Mutations in this gene have been associated with insulin-dependent diabetes mellitus, Graves disease, Hashimoto thyroiditis, celiac disease, systemic lupus erythematosus, thyroid-associated orbitopathy, and other autoimmune diseases.

Specifications:

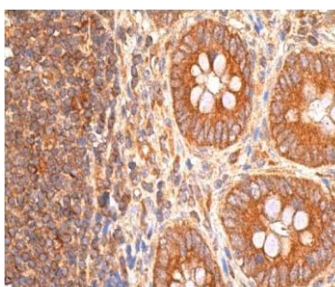
Clone: F8
 Source: Mouse
 Isotype: IgG1k
 Reactivity: Human, mouse, rat
 Localization: Cytoplasm
 Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC, ELISA., IF, IP, WB
 Package:

Description	Catalog No.	Size
CTLA4/CD152 Concentrated	MC0381	1 ml
CTLA4/CD152 Prediluted	MC0381RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Tonsil, lymph node and breast carcinoma
 Concentrated Dilution: 25-100
 Pretreatment: EDTA pH8.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human appendix tissue stained with anti-CTLA4 using DAB showing cytoplasmic staining of glandular cells

References:

1. Evaluation of tumor-infiltrating lymphocytes in osteosarcomas of the jaws: a multicenter study. Alves PM, et al. Virchows Arch. 2019 Feb;474(2):201-207, 2019.
2. Crucial Contributions by T Lymphocytes (Effector, Regulatory, and Checkpoint Inhibitor) and Cytokines (TH1, TH2, and TH17) to a Pathological Complete Response Induced by Neoadjuvant Chemotherapy in Women with Breast Cancer. Kaewkangsadan V, et al. J Immunol Res. 4757405, Sep 29, 2016.
3. Construction of a fusion plasmid containing the PSCA gene and cytotoxic T-lymphocyte associated antigen-4 (CTLA-4) and its anti-tumor effect in an animal model of prostate cancer. Mai TJ, et al. Braz J Med Biol Res. Oct 24;49(11):e5620, 2016.

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