bs-1179R

**[ Primary Antibody ]**
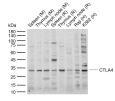
# CTLA4 Rabbit pAb

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## — DATASHEET —

| | |
|---|---|
| **Host:** Rabbit | **Isotype:** IgG |
| **Clonality:** Polyclonal | |
| **GeneID:** 1493 | **SWISS:** P16410 |
| **Target:** CTLA4 | |

**Immunogen:** KLH conjugated synthetic peptide derived from human CTLA-4: 141-223/223. < Cytoplasmic >

**Purification:** affinity purified by Protein A

**Concentration:** 1mg/ml

**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** This gene 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. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. The membrane-bound isoform functions as a homodimer interconnected by a disulfide bond, while the soluble isoform functions as a monomer. 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. [provided by RefSeq, Jul 2008]

**Applications:** WB (1:200-1000)

**Reactivity:** Human, Mouse, Rat

**Predicted MW.:** 21 kDa

**Subcellular Location:** Cell membrane

## — VALIDATION IMAGES —



Sample: Lane 1: Mouse Spleen tissue lysates Lane 2: Mouse Thymus tissue lysates Lane 3: Mouse Lymph node tissue lysates Lane 4: Rat Spleen tissue lysates Lane 5: Rat Thymus tissue lysates Lane 6: Rat Lymph node tissue lysates Lane 7: Human Raji cell lysates Lane 8: Human K562 cell lysates Primary: Anti-CTLA4 (bs-1179R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 21 kDa Observed band size: 33 kDa

## — SELECTED CITATIONS —

- **[IF=5.6]** Meiying Song. et al. Pathogenic Th17 cell-mediated liver fibrosis contributes to resistance to PD-L1 antibody immunotherapy in hepatocellular carcinoma. INT IMMUNOPHARMACOL. 2024 Mar;129:111601 IHC ;Mouse. 38350354

- **[IF=4.225]** Yu et al. Cytotoxic T lymphocyte antigen 4 expression in human breast cancer: implications for prognosis. (2015) Cancer.Immunol.Immunothe. 64:853-60 IHC ;Human. 25893809

- **[IF=3.532]** Zengwei Chen. et al. Quantitative analysis of multiple breast cancer biomarkers using DNA-PAINT. ANAL

METHODS-UK. 2022 Aug;: IF ;Human. 36063064

- **[IF=2.976]** Peng Y et al. Sonodynamic therapy improves anti-tumor immune effect by increasing the infiltration of CD8+ T cells and altering tumor blood vessels in murine B16F10 melanoma xenograft. Oncol Rep. 2018 Oct;40(4):2163-2170. WB ;Mouse. 30106435

- **[IF=3]** Sun Ting. et al. High PD-1 and CTLA-4 expression correlates with host immune suppression in patients and a mouse model infected with Echinococcus multilocularis. PARASITE VECTOR. 2024 Dec;17(1):1-12 IF ;Human. 39456030