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DATA SHEET

Rabbit Anti-CD200/OX2 Polyclonal: RC0160

Intended Use: For Research Use Only

Description: CD200 (OX2) is a type I membrane glycoprotein which contains two extracellular immunoglobulin domains, a transmembrane and a cytoplasmic domain. CD200 receptor (OX2R) is a membrane protein with up to 70% of its weight derived from N-linked glycosylation, and it is primarily expressed in lymphoid and neuronal tissue. The interaction between OX2 and OX2R may contribute to pathways that suppress and limit macrophage induced inflammatory damage in tissue. CD200 plays an important role in immunosuppression and regulation of anti-tumor activity. Alternative splicing results in multiple transcript variants encoding different isoforms.

Specifications

Clone:	Polyclonal
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human, mouse, rat
Immunogen:	Synthesized peptide derived from the internal region of human CD200
Localization:	Membrane, cytoplasm
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, WB

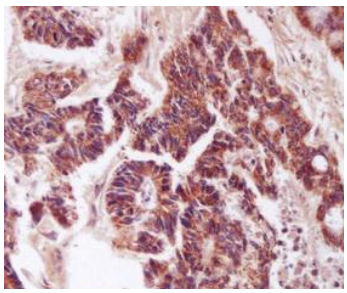
Package:

Description	Catalog No.	Size
CD200/OX2 Polyclonal Concentrated	RC0160	1 ml

IHC Procedure*

Positive Control Tissue:	Lung, ovarian carcinoma
Concentrated Dilution:	10-200
Pretreatment:	Citrate pH6.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	Overnight @ 4°C
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human colon cancer stained with anti-CD200 using DAB

References:

1. Utility of CD200 immunostaining in the diagnosis of primary mediastinal large B cell lymphoma: comparison with MAL, CD23, and other markers. David M Dorfman, et al. Nature. 17 August 2012.
2. Murine plasmacytoid dendritic cells initiate the immunosuppressive pathway of tryptophan catabolism in response to CD200 receptor engagement. Francesca Fallarino, et al. J Immunol. Sep 15;173(6):3748-54, 2004.
3. Constitutive retinal CD200 expression regulates resident microglia and activation state of inflammatory cells during experimental autoimmune uveoretinitis. Broderick, C., et al. Am J Pathol. 161: 1669-77, 2002.

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