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DATA SHEET

Mouse Anti-CD45RB [BRA-11G]: MC0678, MC0678RTU7

Intended Use: For Research Use Only

Description: CD45, a transmembrane multifunctional glycoprotein, is a member of Type I receptor-linked PTPase family and is expressed as multiple isoforms due to alternative splicing. Expression of these isoforms is highly regulated and shift in this expression determines T-cell activation. CD45RB consists of exon B and is predominantly expressed in naive T-cells secreting IL-2. Its expression is low in primed/memory T cells, cells that express Th2 cytokines such as IL-4 and IL-10 and population of T-cells with regulatory function. Immunotherapy with CD45RB antibody is being widely studied in transplantation and vaccination. CD45 antibodies are commonly used to identify tumors of lymphoid origin.

Specifications:

Clone:	BRA-11G the same as BRA11
Source:	Mouse
Isotype:	IgG1κ
Reactivity:	Human
Immunogen:	Non-T, non-B CALLA positive ALL cell line REH (Leucocyte Workshop IV and V)
Localization:	Membrane
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, Flow Cyt., IF

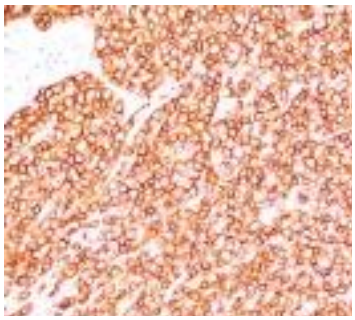
Package:

Description	Catalog No.	Size
CD45RB Concentrated	MC0678	1 ml
CD45RB Prediluted	MC0678RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Tonsil
Concentrated Dilution:	50-200
Pretreatment:	Citrate pH6.0, 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 tonsil stained with anti-CD45RB using DAB

References:

1. Sialic acid-dependent epitopes of CD45 molecules of restricted cellular expression. Bazil V, et al. Immunogenetics 29:202-5, 1989.
2. Monoclonal antibodies against human leucocyte antigens. II. Antibodies against CD45 (T200), CD3 (T3), CD43, CD10 (CALLA), transferrin receptor (T9), a novel broadly expressed 18-kDa antigen (MEM-43) and a novel antigen of restricted expression (MEM-74). Horejsi V, *et al.* Folia Biol (Praha) 34:23-34, 1988.

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