

**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.

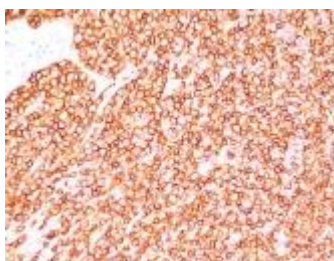
**Specifications:**

Clone: BRA-11G the same as BRA11  
 Source: Mouse  
 Isotype: IgG1κ  
 Reactivity: Human  
 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 using Pressure Cooker, or 30-60 minutes using 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.