

## Anti-Human CD45RB eFluor<sup>®</sup> 660 (Alexa Fluor<sup>®</sup> 647 Replacement)

Catalog Number: 50-9458

RUO: For Research Use Only. Not for use in diagnostic procedures.

### Product Information

**Contents:** Anti-Human CD45RB eFluor<sup>®</sup> 660  
(Alexa Fluor<sup>®</sup> 647 Replacement)  
**Catalog Number:** 50-9458  
**Clone:** PD7/26  
**Concentration:** 0.2 mg/mL  
**Host/Isotype:** Mouse IgG1

REF



LOT



**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer  
**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light-sensitive material.  
**Batch Code:** Refer to vial  
**Use By:** Refer to vial  
**Contains sodium azide**

### Description

The monoclonal antibody PD7/26 recognizes CD45RB, which is an isoform of the Leukocyte Common Antigen (LCA) also known as CD45. CD45RB is a protein tyrosine phosphatase receptor that is present on most hematopoietic cells and absent on non-hematopoietic cells. Expression of CD45RB is more restricted than CD45 and can only be found on T cell subsets, B, NK, and myeloid cells. Regulatory T cells (Tregs) have been shown to express low levels of CD45RB, which may correlate with increased migration to sites of infection. In contrast, high CD45RB expression results in IL-2 and IFN gamma production instead of IL-4 in vitro.

### Applications Reported

This PD7/26 antibody has been reported for use in flow cytometric analysis, western blotting, immunohistochemical staining of formalin-fixed paraffin embedded tissue sections, and immunocytochemistry.

### Applications Tested

This PD7/26 antibody has been tested by immunohistochemistry on FFPE tissue using IHC Antigen Retrieval Solution – Low pH (cat. 00-4955).

**eFluor<sup>®</sup> 660 is a replacement for Alexa Fluor<sup>®</sup> 647. eFluor<sup>®</sup> 660 emits at 659 nm and is excited with the red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.** This antibody can be used at less than or equal to 10 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

Khalidi HS, Singleton TP, Weiss SW. Inflammatory malignant fibrous histiocytoma: distinction from Hodgkin's disease and non-Hodgkin's lymphoma by a panel of leukocyte markers. *Mod Pathol.* 1997 May;10(5):438-42.

Horgan KJ, Tanaka Y, Luce GE, van Seventer GA, Nutman TB, Shaw S. CD45RB expression defines two interconvertible subsets of human CD4+ T cells with memory function. *Eur J Immunol.* 1994 May;24(5):1240-3.

Craig W, Poppema S, Little MT, Dragowska W, Lansdorp PM. CD45 isoform expression on human haemopoietic cells at different stages of development. *Br J Haematol.* 1994 Sep;88(1):24-30.

Dianzani U, Redoglia V, Malavasi F, Bragardo M, Pileri A, Janeway CA Jr, Bottomly K. Isoform-specific associations of CD45 with accessory molecules in human T lymphocytes. *Eur J Immunol.* 1992 Feb;22(2):365-71.

Pulido R, Cebrián M, Acevedo A, de Landázuri MO, Sánchez-Madrid F. Comparative biochemical and tissue distribution study of four distinct CD45 antigen specificities. *J Immunol.* 1988 Jun 1;140(11):3851-7.

### Related Products

00-4953 IHC /ICC Blocking Buffer - Low Protein  
00-4954 20X TBS Wash Buffer for IHC/ICC  
00-4955 IHC Antigen Retrieval Solution – Low pH (10X)  
00-4958 Fluoromount-G<sup>™</sup>

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50-4714 Mouse IgG1 K Isotype Control eFluor® 660 (P3.6.2.8.1)

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