


Anti-Human/Mouse CD45R (B220) eFluor[®] 650NC (for IHC/ICC)



Catalog Number: IH95-0452

Also known as: Ly-5, Lyt-4, T200

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

Product Information

Contents: Anti-Human/Mouse CD45R (B220)
eFluor[®] 650NC (for IHC/ICC)
 **Catalog Number:** IH95-0452
Clone: RA3-6B2
Host/Isotype: Rat IgG2a, kappa
HLDA Workshop: N/A

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

Description

The RA3-6B2 monoclonal antibody reacts with exon A-restricted isoform of mouse CD45, a 220 kDa surface molecule. CD45R/B220 epitope is mainly expressed by the B cell lineage from early Pro-B to mature B cells. However, some activated T cells, lymphokine activated killer cells (LAK), NK cell progenitors in the bone marrow, and T cells of the *lpr/lpr* mutant mouse also express this antigen.

Applications Reported

This RA3-6B2 antibody has been reported for use in immunohistochemical staining of frozen tissue sections (IHC-F) and immunohistochemical staining (IHC).

Applications Tested

This RA3-6B2 antibody has been tested by immunohistology of frozen mouse spleen using the IHC/ICC Blocking Buffer - Low Protein (cat. 00-4953). This antibody can be used at 1:100.

For answers to additional questions refer to for IHC/ICC protocols and eFluor Nanocrystal Frequently Asked Questions

Applications: This product has been optimized for use in immunohistochemistry and Immunocytochemistry. We do not recommend its use in flow cytometry. Please refer to cat. 95-0452 as a suitable flow product.

Filter Recommendation: When using this eFluor[®] 650NC antibody conjugate, we recommend a filter that will capture the 650 emission wavelength. A standard Alexa Fluor[®] 647 filter is acceptable, although other filters that narrow the emission would be more suitable when complexing with additional eFluor[®] nanocrystal conjugates. Please refer to Technical Support FAQ for more information.

Buffer Recommendation: We recommend the use of TBS-based solutions when performing IHC/ICC with eFluor[®] NC conjugated antibodies. We offer several products: IHC /ICC Blocking Buffer - Low Protein (cat. 00-4953), and IHC /ICC Blocking Buffer – High Protein (cat. 00-4952) which is optimal when staining FFPE sections or when using eFluor[®] nanocrystal conjugates to nuclear targets.

Mounting Recommendation: For optimal results, we recommend the use of Fluoromount-G[™] (cat. 00-4958) when mounting slides.

References

Schuhmann B, Dietrich A, et al. 2005. A role for brain-derived neurotrophic factor in B cell development. J Neuroimmunol. 163(1-2):15-23. (**RA3-6B2**, IHC frozen, PubMed)

Monteith CE, Chelack BJ, et al. 1996. Identification of monoclonal antibodies for immunohistochemical staining of feline B lymphocytes in frozen and formalin-fixed paraffin-embedded tissues. Can J Vet Res. 60(3):193-8. (IHC frozen and paraffin, PubMed)

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Coffman, R. L. 1982. Surface antigen expression and immunoglobulin gene rearrangement during mouse pre-B cell development. Immunol Rev. 69: 5-23.

Related Products

00-4953 IHC /ICC Blocking Buffer - Low Protein

00-4958 Fluoromount-G™

Legal

Under patent number: US 7,939,170 and additional pending patent application(s)

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