

## Anti-Human/Mouse CD45R/B220-176Yb

**Catalog #:** 3176002B

**Package Size:** 100 tests

**Storage:** Store product at 4°C. Do not freeze.

**Cross Reactivity:** Mouse, Human, Feline

**Clone:** RA3-6B2

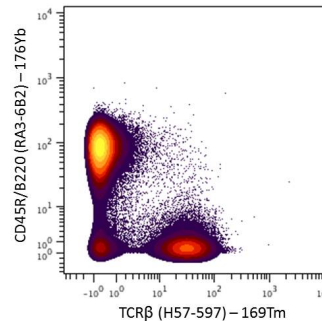
**Isotype:** Rat IgG2a

**Formulation:** Antibody stabilizer with 0.05% Sodium Azide

### Technical Information

**Validation:** Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

**Recommended Usage:** The suggested use is 1 µl for up to  $3 \times 10^6$  live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Mouse splenocytes stained with 169Tm-anti-TCRβ (H57-597) and 176Yb-anti-CD45R/B220 (RA3-6B2).

### Description

CD45R, also known as B220, is the longest isoform of CD45 with a glycosylation pattern resulting in a molecular weight of 220 kDa. B cells at all developmental stages express CD45R, as do subsets of T, NK, and dendritic cells. In mice, CD45R has been historically used as a pan-B cell marker, however CD19 offers greater specificity for the B cell lineage.

### References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. Highly multiparametric analysis by mass cytometry. *J Immunol Methods* 361 (1-2):1-20, 2010.

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