Purified Anti-Human CD45 Antibody[BC8], Functional Grade

catalog number: **E-AB-F13720**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

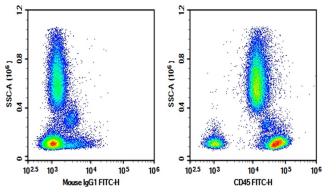
Description

Reactivity	Human
Immunogen	Recombinant Human CD45 protein
Host	Mouse
Isotype	Mouse IgG1, κ
Clone	BC8
Purification	>98%, Protein A/G purified
Buffer	Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method.

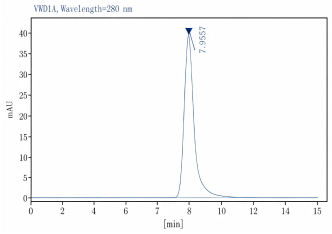
Applications — Recommended Dilution

FCM	2 μg/mL(0.5×10^6-1×10^6 cells)
Block	Reported in the literature

Data



Human peripheral blood were stained with 0.2 μg Purified Anti-Human CD45 Antibody[BC8], Functional Grade (Right) and 0.2 μg Mouse IgG1, κ Isotype Control (Left), followed by FITC-conjugated Goat Anti-Mouse IgG Secondary Antibody.



Monomer purity ≥95% as determined by analytical size-exclusion chromatography (SEC)

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. This preparation contains no preservatives, thus it should be handled under aseptic conditions.
Shipping	Ice bag

Background

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CD45, previously called LCA (leukocyte common antigen), T200, or Ly5 in mice, is member C of the class 1 (receptor-like) protein tyrosine phosphatase family (PTPRC). It is a variably glycosylated 180-220 kDa transmembrane protein that is abundantly expressed on all nucleated cells of hematopoietic origin . Multiple splicing isoforms of exon 4 (A), 5 (B), and 6 (C) are expressed according to cell type, developmental stage and antigenic exposure . The longest form, CD45RABC (called B220 in mouse) is expressed on B lymphocytes, The shortest form, CD45R0, lacking exons 4, 5 and 6 which encode aa 34-194, is expressed on memory cells, while intermediate sizes are expressed on other T cells.

None (Azide-Free,Low Endotoxin) are perfectly suited to be used in culture or in vivo (for nonhuman studies) for functional assays blocking, neutralizing, activation or depletion where the presence of azide may damage cells or