

**PE anti-human CD102 (ICAM-2)**

**Catalog # / Size:** 2242530 / 100 tests  
2242525 / 25 tests

**Clone:** CBR-IC2/2

**Isotype:** Mouse IgG2a, κ

**Immunogen:** ICAM-2 cDNA transfected COS cells

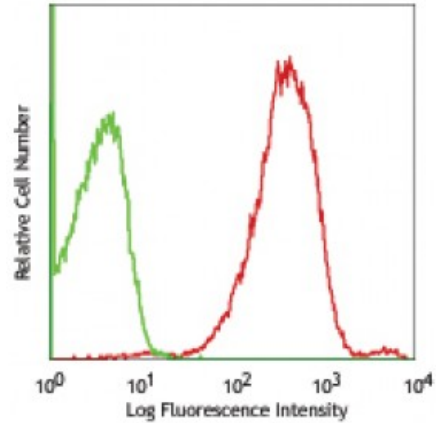
**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

**Workshop Number:** V BP363

**Concentration:** Lot-specific



Human peripheral blood lymphocytes stained with CBR-IC2/2 PE

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 microL to 5 microL per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** Additional reported applications: immunoprecipitation(1), blocking the interaction between ICAM-2 and LFA-1(1), immunohistochemical staining(2) of frozen tissue sections

**Application References:** 1. DeFougerolles AR, *et al.*1991.*J. Exp.Med.*174:253.  
2. Van Herpen CML, *et al.*2005.*Clin. Cancer Res.*11:1899

**Description:** CD102 is a 55 kD type I transmembrane glycoprotein, belongs to immunoglobulin superfamily, also known as Intercellular Adhesion Molecule-2, or ICAM-2. CD102 is constitutively expressed on vascular endothelial cells, some lymphocytes, monocytes, and platelets. CD102 is thought to be involved in lymphocyte recirculation and in costimulation of immune response. CD102 is a counter receptor of LFA-1 (CD11a/CD18), DC-SIGN and MAC-1.

**Antigen References:** 1.Weber KSC, *et al.*2004.*Inflammation.*28:177.  
2.Barclay A, *et al.*1997 *The Leukocyte Antigen Factsbook*Academic Press.  
3. Casasnovas JM, *et al.*1999.*P. Natl. Acad. Sci. USA*96:3017.  
4. Diamonds MS, *et*