

## Technical Data Sheet

### Anti-Human CD27

**Catalog Number:** 106701, 106702

**Size:** 100 ug, 500 ug

**Target Name:** CD27, TNFRSF7, S152, T14

**Regulatory Status:** RUO

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#### Product Details

**Clone:** O323

**Application:** FC

**Reactivity:** Human

**Format:** Purified

**Isotype:** Mouse IgG1

**Antibody Type:** Monoclonal

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide

**Protein Concentration:** 0.5 mg/mL

**Storage&Handling:** The antibody solution should be stored between 2°C and 8°C

**Recommended Usage:** For flow cytometric staining, it is recommended to use less than 0.2 ug of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application

**Release Date:** Dec-25

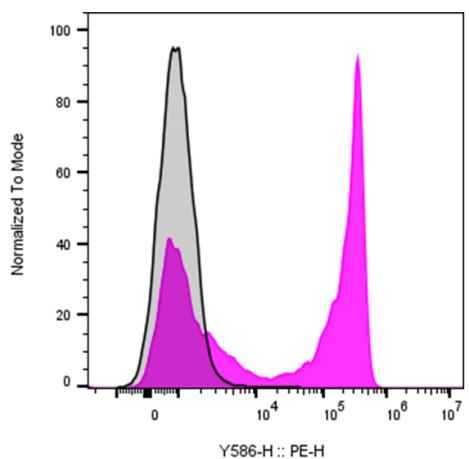
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#### Background Information

CD27 is a 50–55 kDa type I transmembrane glycoprotein, also known as S152 and T14, and is a lymphocyte-specific member of the tumor necrosis factor receptor (TNFR) superfamily, which also includes CD30 and CD40. Members of this superfamily are broadly involved in the regulation of cell proliferation, differentiation, and apoptosis. Unlike many other TNFR/TNF family members, expression of CD27 and its ligand CD70 is predominantly confined to lymphocytes, reflecting their specialized role in the adaptive immune response.

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#### Product Data



Human peripheral blood lymphocytes was stained with Purified Anti-Human CD27 clone O323 (color-filled histogram) or an isotype control (gray histogram), followed by PE anti-Mouse IgG.