

TECHNICAL DATA SHEET

CyFlow™ CD178 PE Anti-Hu; Clone NOK-1

REF BZ157747

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD178
Alternative Names	Fas-L, FAS-Ligand, CD95L, CD95-L, APO-1L, APT1LG, TNFSF6 ligand
Clone	NOK-1
Clonality	monoclonal
Format	PE
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	—
Quantity	100 tests
Immunogen	L5178Y mouse T lymphoma cells expressing recombinant human CD178

Specificity

The mouse monoclonal antibody NOK-1 recognizes CD178 antigen, a 40 kDa transmembrane glycoprotein expressed on neutrophils, monocytes, and activated T and NK cells.

Contact Information:

Sysmex Partec GmbH • Am Flugplatz 13 • 02828 Görlitz • Germany
Tel +49 3581 8746 0 • Fax +49 3581 8746 70 • E-mail: info@sysmex-partec.com

Application

The reagent is designed for Flow Cytometry analysis of human blood cells. Recommended usage is 10 µl reagent / 100 µl of whole blood or 10⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in stabilizing phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

CD178 (Fas-L; Fas ligand or CD95L), a member of TNF family transmembrane glycoproteins, is responsible for induction of apoptosis in cells containing its receptor Fas/CD95. The CD178-mediated apoptosis pathway has been implicated in peripheral tolerance, tissue pathology, and maintenance of the immune privileged sites. Defects in this interaction may be related to some cases of systemic lupus erythematosus (SLE). CD178 was also described as a co-stimulatory receptor for T-cell activation in mice in vivo.

References

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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