

TECHNICAL DATA SHEET

CyFlow™ CD88 Purified Anti-Hu; Clone S5/1

REF CR486903

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD88
Alternative Names	C5aR
Clone	S5/1
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgG2a
Species Reactivity	Human, Cow Ferret Rabbit
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	Recombinant N-terminal peptide (Asp15-Asp27) of human C5aR

Specificity

The mouse monoclonal antibody S5/1 recognizes the CD88 antigen, a 43 kDa receptor of C5a component of the complement cascade.

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Application

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunoprecipitation
- Western blot
- Immunohistochemistry (paraffin-embedded sections)

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH $\approx$ 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

CD88 (C5aR) is a G protein-coupled seven membrane-spanning protein serving as a receptor for C5a component of the complement cascade, and is expressed mainly by monocytes, macrophages, neutrophils, eosinophils, and mast cells, but also e.g. by hepatocytes, glial cells, vascular endothelial cells, or cardiomyocytes. The binding of C5a to CD88 is associated with inflammatory response, including superoxide anion production, chemotaxis, and increased production of acute phase proteins. Expression of CD88 on synovial mast cells and their C5a-mediated degranulation plays a role in pathogenesis of rheumatoid arthritis.

References

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- Conway Morris A, Kefala K, Wilkinson TS, Dhaliwal K, Farrell L, Walsh T, Mackenzie SJ, Reid H, Davidson DJ, Haslett C, Rossi AG, Sallenave JM, Simpson AJ: C5a mediates peripheral blood

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

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