

Purified anti-human CD88 (C5aR)

Catalog # / Size: 344302 / 100 µg

Clone: S5/1

Isotype: Mouse IgG2a, κ

Immunogen: Recombinant peptide huC5aR N-terminal -NT (Asp15-Asp27)

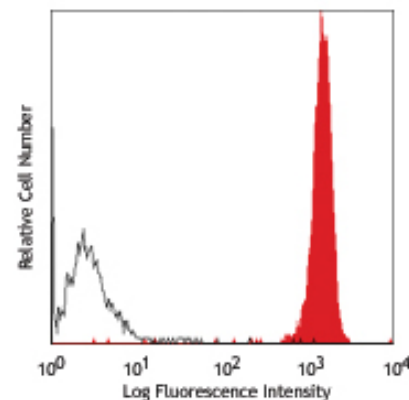
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

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

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



Human peripheral blood granulocytes stained with S5/1 PE

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Clone S5/1 blocks the binding of C5a to CD88.

Application References:

1. Kiener HP, *et al.* 1998. *Arthritis Rheum.* 41:233.
2. Elsner J, *et al.* 1994. *Blood* 83:3324.
3. Oppermann M, *et al.* 1993. *J. Immunol.* 151:3785.

Description: CD88 is a single chain protein with seven membrane-spanning regions and has a MW of 43 kD. CD88 is expressed by monocytes, neutrophils and eosinophils. Also, there have been reports of CD88 expression in non-immune cells such as glial cells, cerebellar granule cells, cardiomyocytes and vascular endothelial cells. CD88 is coupled to heterotrimeric G proteins such as Gi, and after C5a binding, the signal transduced by CD88 results in the activation of PLCβ, PI-3 kinase, and PLA2, among other molecules, resulting in chemotaxis, granule enzyme release and superoxide anion production.

Antigen References:

1. Schraufstatter IU, *et al.* 2009. *J. Immunol.* 182:3827.
2. Ippel JH, *et al.* 2009. *J. Biol Chem.* 284:12363.
3. Griffin RS, *et al.* 2007. *J. Neurosci.* 27:8699.
4. Lee H, *et al.* 2006. *Nat. Biotechnol.* 24:1279.
5. Buck E and Wells JA. *et al.* 2005. *P. Natl. Acad. Sci. USA* 102:2719.

Related Products:

Product
Purified Mouse IgG2a, κ Isotype Ctrl
Cell Staining Buffer
RBC Lysis Buffer (10X)

Clone
MG2a-53

Application
FC, ICC, IF, IHC, IP, WB
FC, ICC, ICFC
FC, ICFC



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