

**Mouse Anti-Granulocyte-Colony Stimulating Factor (G-CSF) (CSF3) [CSF3/900]: MC0795, MC0795RTU7**

**Intended Use:** For Research Use Only

**Description:** Belongs to the IL-6 superfamily. Granulocyte/macrophage colony-stimulating factors are cytokines that act in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages. This CSF induces granulocytes.

**Specifications:**

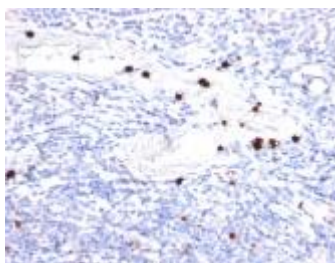
Clone: CSF3/900  
 Source: Mouse  
 Isotype: IgG1k  
 Reactivity: Human, Macaque monkey  
 Immunogen: Recombinant full-length human CSF3 protein  
 Localization: Cytoplasm  
 Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
 Storage: Store at 2°- 8°C  
 Applications: IHC, Flow Cyt., IF  
 Package:

Description	Catalog No.	Size
Granulocyte-Colony Stimulating Factor (G-CSF) (CSF3) Concentrated	MC0795	1 ml
Granulocyte-Colony Stimulating Factor (G-CSF) (CSF3) Prediluted	MC0795RTU7	7 ml

**IHC Procedure\*:**

Positive Control Tissue: Lung  
 Concentrated Dilution: 50-200  
 Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
 Incubation Time and Temp: 30-60 minutes @ RT  
 Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FFPE human tonsil stained with anti-G-CSF using DAB

**References:**

1. Circulating microparticles in acute diabetic Charcot foot exhibit a high content of inflammatory cytokines, and support monocyte-to-osteoclast cell induction. Pasquier J, et al. Sci Rep 7:16450, 2017.
2. Calf Spleen Extractive Injection protects mice against cyclophosphamide-induced hematopoietic injury through G-CSF-mediated JAK2/STAT3 signaling. Lu W, et al. Sci Rep 7:8402, 2017.
3. G-CSF regulates macrophage phenotype and associates with poor overall survival in human triple-negative breast cancer. Hollmén M, et al. Oncoimmunology 5:e1115177, 2016.