abcam

Product datasheet

Anti-G-CSF antibody [CSF3/900] - BSA and Azide free ab212315

1 Image

Overview

Product name	Anti-G-CSF antibody [CSF3/900] - BSA and Azide free
Description	Mouse monoclonal [CSF3/900] to G-CSF - BSA and Azide free
Host species	Mouse
Specificity	This antibody recognizes G-CSF in the cytoplasm of mature granulocytes. It shows no reactivity with any other cell types. It reacts with early precursor and mature forms of myeloid cells. It is useful for the detection of myeloid leukemias and granulocytic sarcomas. It can be used as a marker of granulocytes in normal tissues or inflammatory processes.
Tested applications	**Suitable for:** Flow Cyt, ICC/IF, IHC-P
Species reactivity	**Reacts with:** Human, Macaque monkey
Immunogen	Recombinant full length protein. Database link: P09919
Positive control	HL60 cells; Tonsil or lymph node tissues.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Constituent: 100% PBS
Purity	Protein A/G purified
Clonality	Monoclonal
Clone number	CSF3/900
Isotype	IgG1

Applications

Our Abpromise guarantee covers the use of **ab212315** in the following tested applications.

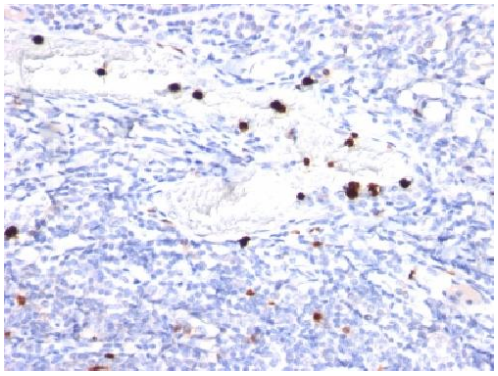
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 0.5-1µg for 10^6 cells. in 0.1ml volume
ICC/IF		Use a concentration of 1 - 2 µg/ml.
IHC-P		Use a concentration of 0.5 - 1 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. for 30 minutes at RT

Target

Function	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.
Sequence similarities	Belongs to the IL-6 superfamily.
Post-translational modifications	O-glycan consists of Gal-GalNAc disaccharide which can be modified with up to two sialic acid residues (done in recombinantly expressed G-CSF from CHO cells).
Cellular localization	Secreted.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-G-CSF antibody [CSF3/900] - BSA and Azide free (ab212315)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human tonsil tissue labeling G-CSF with ab212315 at 1µg/ml.

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