

Product datasheet

Anti-G-CSF antibody [7E4F7] ab204989

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Overview

Product name	Anti-G-CSF antibody [7E4F7]
Description	Mouse monoclonal [7E4F7] to G-CSF
Host species	Mouse
Tested applications	Suitable for: WB, ICC/IF, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein corresponding to Human G-CSF aa 1 to the C-terminus. (Purified from E.coli). Database link: P09919 Run BLAST with Run BLAST with
Positive control	Human G-CSF (aa1-207) recombinant protein; G-CSF (aa1-207)-hlgGFc transfected HEK293 cell lysate; Human esophageal cancer tissue; HeLa and A549 cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

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	Preservative: 0.05% Sodium azide Constituent: 99% PBS
Purity	Protein G purified
Purification notes	Purified from tissue culture supernatant.
Clonality	Monoclonal
Clone number	7E4F7

Isotype

IgG2a

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab204989 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
WB		1/500 - 1/2000. Predicted molecular weight: 22 kDa.
ICC/IF		1/200 - 1/1000.
IHC-P		1/200 - 1/1000.

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.

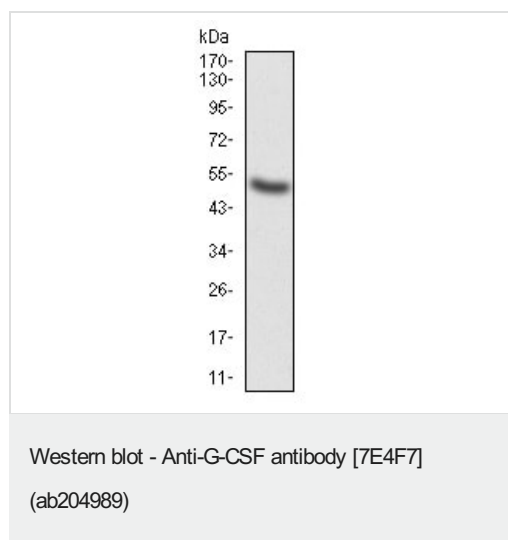
Post-translational modifications

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.

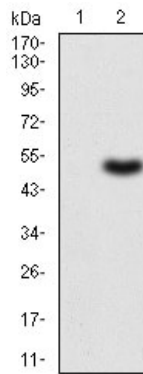
Images



Anti-G-CSF antibody [7E4F7] (ab204989) at 1/500 dilution +
Human G-CSF (aa1-207) recombinant protein

Predicted band size: 22 kDa

Expected MWt is 48.2 kDa.



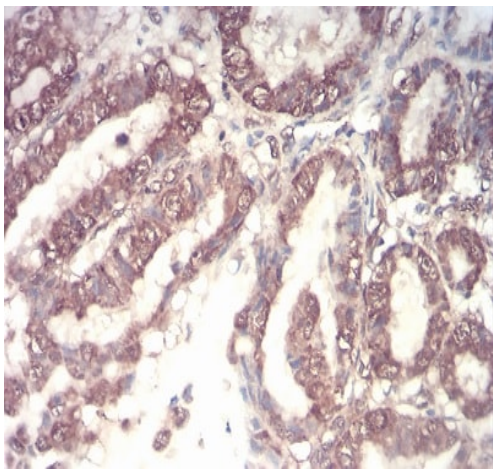
Western blot - Anti-G-CSF antibody [7E4F7]
(ab204989)

All lanes : Anti-G-CSF antibody [7E4F7] (ab204989) at 1/500 dilution

Lane 1 : HEK293 cell lysate

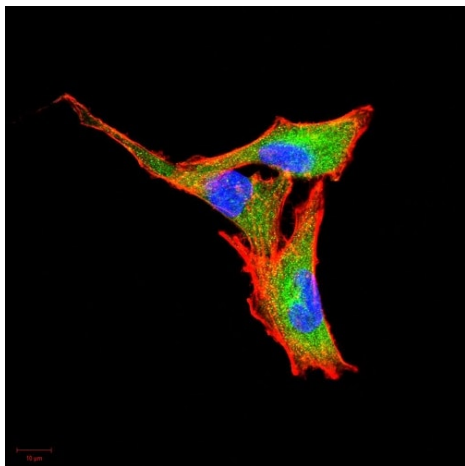
Lane 2 : G-CSF (aa1-207)-hlgGFc transfected HEK293 cell lysate

Predicted band size: 22 kDa



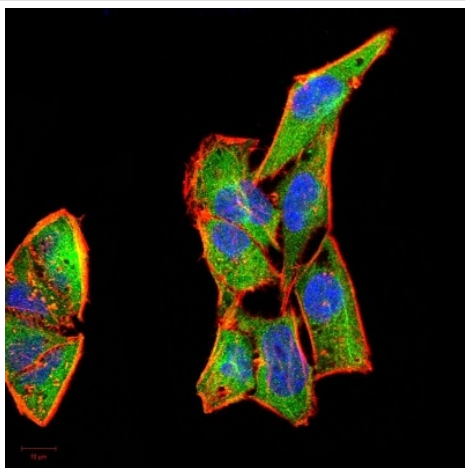
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-G-CSF antibody [7E4F7]
(ab204989)

Immunohistochemical analysis of paraffin-embedded Human esophageal cancer tissue labeling G-CSF with ab204989 at 1/200 dilution with DAB staining.



Immunocytochemistry/ Immunofluorescence - Anti-G-CSF antibody [7E4F7] (ab204989)

Immunofluorescent analysis of A549 cells labeling G-CSF with ab204989 at 1/200 dilution (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Immunocytochemistry/ Immunofluorescence - Anti-G-CSF antibody [7E4F7] (ab204989)

Immunofluorescent analysis of HeLa cells labeling G-CSF with ab204989 at 1/200 dilution (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.

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