

# Product Datasheet

## GM-CSF Antibody (30-4) NB100-65022

Unit Size: 0.05 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NB100-65022**

GM-CSF Antibody (30-4)

**Product Information**

<b>Unit Size</b>	0.05 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	30-4
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH 7.2), 1% Trehalose

**Product Description**

<b>Host</b>	Mouse
<b>Gene ID</b>	1437
<b>Gene Symbol</b>	CSF2
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	NB100-65022 recognizes recombinant and native human granulocyte macrophage colony stimulating factor (GM-CSF). Human Granulocyte colony stimulating factor (GM-CSF) is a 14.6kDa glycoprotein, which is produced by T cells, macrophages, fibroblasts and endothelial cells. GM-CSF is involved in the stimulation of proliferation and differentiation of granulocyte and macrophage progenitor cells. The neutralisation dose (ND50) of this batch, as determined by the proliferation of TF-1 cells, is approximately 0.3-0.5 ug/ml in the presence of 0.5 ng/ml of recombinant human GM-CSF. The ND50 may vary depending on conditions.
<b>Immunogen</b>	Recombinant protein corresponding to amino acids 14 to 144 of human GM-CSF produced in E. coli.

**Product Application Details**

<b>Applications</b>	Western Blot, ELISA, Functional, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1-2 ug/ml, ELISA 0.5-1 ug/ml, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen 8-25 ug/ml, Functional 0.3-0.5 ug/ml
<b>Application Notes</b>	In WB should be used under non-reducing conditions, reducing conditions are not recommended. Use in Immunohistochemistry-Paraffin reported in scientific literature (PMID 24737547)

**Publications**

Nebiker C, Han J, Castori-Eppenberger S et al. GM-CSF production by tumor cells is associated with improved survival in colorectal cancer. Clin. Cancer Res. 2014-04-15 [PMID: 24737547] (IHC-P, Human)





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis.

Primary Antibodies are guaranteed for 1 year from date of receipt.

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