



Datasheet for ABIN1169411  
**anti-Neutrophils antibody**



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8 Publications

Overview

Quantity:	100 µg
Target:	Neutrophils
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Functional Studies (Func), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified mouse BALB/c neutrophils.
Clone:	Nimp-R14
Isotype:	IgG2b
Specificity:	Recognizes mouse neutrophils (surface protein mouse Ly-6G) and may recognize Ly-6Chigh cells (inflammatory monocytes).
Cross-Reactivity:	Mouse (Murine)
Purification:	Purified from concentrated hybridoma tissue culture supernatant.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.1EU/µg purified protein (LAL test, Lonza).

## Target Details

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Target:	Neutrophils
Abstract:	<a href="#">Neutrophils Products</a>
Background:	Neutrophils are key components of the inflammatory response and as such contribute to the killing of microorganisms. In addition, recent evidence suggests their involvement in the development of the immune response. The Nimp-R14 mAb displays features of an optimal reagent allowing the selective depletion of mouse neutrophils in vivo.
UniProt:	<a href="#">P35461</a>

## Application Details

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Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Negative control: AG-35B-0011 <a href="http://www.adipogen.com/ag-35b-0011/rat-igg2b-isotype-control.html">http://www.adipogen.com/ag-35b-0011/rat-igg2b-isotype-control.html</a>
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	Lot specific
Buffer:	In PBS containing 10 % glycerol and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 1 year after receipt when stored at -20°C.
Expiry Date:	12 months

## Publications

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Product cited in:	Yoshida, Taguchi, Kawana, Ogishima, Adachi, Kawata, Nakamura, Sato, Fujimoto, Inoue, Tomio, Mori, Nagamatsu, Arimoto, Koga, Hiraike, Oda, Kiyono, Osuga, Fujii: "Intraperitoneal neutrophils
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activated by KRAS-induced ovarian cancer exert antitumor effects by modulating adaptive immunity." in: **International journal of oncology**, Vol. 53, Issue 4, pp. 1580-1590, (2018) ([PubMed](#)).

Henderson, Hobbs, Mathies, Hogg: "Rapid recruitment of inflammatory monocytes is independent of neutrophil migration." in: **Blood**, Vol. 102, Issue 1, pp. 328-35, (2003) ([PubMed](#)).

de Vries, Köhl, Leclercq, Wolfs, van Bijnen, Heeringa, Buurman: "Complement factor C5a mediates renal ischemia-reperfusion injury independent from neutrophils." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 170, Issue 7, pp. 3883-9, (2003) ([PubMed](#)).

Tacchini-Cottier, Zweifel, Belkaid, Mukankundiye, Vasei, Launois, Milon, Louis: "An immunomodulatory function for neutrophils during the induction of a CD4+ Th2 response in BALB/c mice infected with *Leishmania major*." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 165, Issue 5, pp. 2628-36, (2000) ([PubMed](#)).

Al-Qaoud, Pearlman, Hartung, Klukowski, Fleischer, Hoerauf: "A new mechanism for IL-5-dependent helminth control: neutrophil accumulation and neutrophil-mediated worm encapsulation in murine filariasis are abolished in the absence of IL-5." in: **International immunology**, Vol. 12, Issue 6, pp. 899-908, (2000) ([PubMed](#)).

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