Datasheet: BUF070B

BATCH NUMBER 165702

Description:	HUMAN SEROBLOCK
Name:	HUMAN SEROBLOCK
Format:	Reagent
Product Type:	Accessory Reagent
Quantity:	200 TEST

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			*See Instructions For Use

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Human

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN_3)

Product Information

Human Fc receptors are expressed on a variety of immune cell types including monocytes, macrophages, B cells, granulocytes and dendritic cells. Cells that express Fc receptors can give false positive immunofluorescent staining due to the Fc receptors binding of Ig. Human SeroBlock is designed to prevent such non-specific staining without interfering with appropriate target staining. Human SeroBlock is compatible with use of anti-human antibodies targeting Fc receptors in flow cytometry.

Instructions For Use

In order to reduce Fc-receptor mediated binding of test antibodies the following procedure is recommended:-

1) Add 5 ul of Human SeroBlock per 100ul cell suspension for 5-10 minutes at room temperature.

2) Add test antibody according to manufacturers instructions – Do not wash Human SeroBlock off the cells. Human SeroBlock is suitable for use in conjunction with test antibodies from any manufacturer or with in-house antibodies.*Human SeroBlock is also compatible with flow cytometric analysis of human Fc receptors.

3) Proceed with staining as usual.

References

1. Boibessot, C. *et al.* (2021) Using *ex vivo.* culture to assess dynamic phenotype changes in human prostate macrophages following exposure to therapeutic drugs. Sci Rep. 11 (1): 19299.
2. Boibessot, C. *et al.* (2022) Subversion of infiltrating prostate macrophages to a mixed immunosuppressive tumor-associated macrophage phenotype. Clin Transl Med. 12 (1): e581.
3. Buchheim, J.I. *et al.* (2019) Stress Related Shift Toward Inflammaging in Cosmonauts After Long-Duration Space Flight. Front Physiol. 10: 85.
4. Moen, I.N. *et al.* (2021) Smac-mimetics reduce numbers and viability of human osteoclasts. Cell Death Discov. 7 (1): 36.
5. Munawara, U. *et al.* (2021) Hyperactivation of monocytes and macrophages in MCI patients contributes to the progression of Alzheimer's disease. Immun Ageing. 18 (1): 29.
6. Pitts, M.S. *et al.* (2019) TAAR1 levels and sub-cellular distribution are cell line but not breast cancer subtype specific. Histochem Cell Biol. 152 (2): 155-166.

Storage

Store at +4°C. DO NOT FREEZE.
This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

Guaranteed until date of expiry. Please see product label.

Health And Safety Information

Material Safety Datasheet documentation #10586 available at:
https://www.bio-rad-antibodies.com/SDS/BUF070B
10586

This product contains IgG extracted from human serum. The human serum was tested by an FDA approved method and found to be negative for Human Immunodeficiency Virus RNA, Human Immunodeficiency Virus, Human T-Lymphotropic Virus, Hepatitis C RNA, Hepatitis C Virus, Hepatitis B surface antigen and syphilis.

As no test can completely guarantee this material to be free of pathogens it should be handled as potentially infectious.

Regulatory

For research purposes only

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