TECHNICAL DATA SHEET

Purified Anti-Mouse F4/80 Antigen (BM8.1)

Catalog Number: 70-4801

PRODUCT INFORMATION

Contents:	Purified Anti-Mouse F4/80 Antigen (BM8.1)
Isotype:	Rat IgG2b, kappa
Concentration:	0.5 mg/mL
Clone:	BM8.1
Reactivity:	Mouse
Use By:	12 months from date of receipt
Storage Conditions:	2-8°C
Formulation:	10 mM NaH_2PO_4, 150 mM NaCl, 0.09% NaN_3, pH 7.2

DESCRIPTION

The BM8.1 antibody is specific for mouse F4/80 antigen, a 125 kDa transmembrane protein widely expressed by members of the mononuclear phagocyte system and considered to be a key marker for mature macrophage cells. F4/80 is differentially expressed during myeloid cell development, and may be regulated by certain cytokines within the tissue microenvironment. Other cell types shown to express this antigen include Langerhans cells, Kupffer cells and dendritic cell subsets. BM8.1 is widely used together with antibodies to CD115 (c-fms), CD11b and CD11c to identify myeloid / macrophage cells by flow cytometry.

PREPARATION & STORAGE

This monoclonal antibody preparation was purified from tissue culture supernatant via affinity chromatography. For In Vivo Ready™ (IVR) products, each preparation is also evaluated for endotoxin levels using the LAL assay. It is recommended to store the product undiluted at 4°C. Do not freeze.

APPLICATION NOTES

This purified format is guaranteed to be >90% pure as determined by SDS-PAGE analysis. Tonbo Biosciences tests all of our antibodies by flow cytometry. Citations may be provided as a resource for additional applications that have not been validated by Tonbo Biosciences - please consult Materials and Methods sections for additional details about the use of any product in these publications.

REFERENCES

Ioannou M, Alissafi T, Boon L, Boumpas D, and Verginis P. 2013. J. Immunol. 190: 2631-2640. (Flow Cytometry)
Papadopoulos G, Weinberg EO, Massari P, Gibson FC, Wetzler LM, Morgan EF, and Genco CA. 2013. J. Immunol. 190: 1148-1157.
Chen Q and Snapper CM. 2013. J. Immunol. 190: 1048-1055.
Rankin AL, Mumm JB, Murphy E, Turner S, Yu N, McClanahan TK, Bourne PA, Pierce RH, Kastelein R and Pflanz S. 2010. J. Immunol. 184(3): 1526-1535. (Immunohistochemistry - paraffin-embedded tissue)
Geutskens SB, Otonkoski T, Pulkkinen MA, Drexhage HA and Leenen PJ. 2005. J. Leukoc. Biol. 78(4): 845-52 (Immunohistochemistry - frozen tissue)