ARG22677
anti-Ly-6B.2 antibody [7/4]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rat Monoclonal antibody [7/4] recognizes Ly-6B.2 This antibody recognizes Ly-6B.2 antigen. Ly-6B.2 is a ~25-30kDa GPI-anchored, heavily glycosylated protein expressed on neutrophils, inflammatory monocytes and some activated macrophages (Rosas et al. 2010). High levels of expression are seen in bone marrow, spleen, lung and lymph nodes. N-glycanase treatment of thioglycollate elicited peritoneal neutrophil lysates lowers the apparent molecular weight of Ly-6B.2 to ~15kDa (Rosas et al.2010). In common with other Ly-6 antigens Ly-6B.2 demonstrates a polymorphic expression on inbred mouse strains (Kimura et al. 1984). Rat anti mouse Ly-6B.2, clone 7/4 recognizes the Ly-6B.2 antigen in 129J; AKR; C57BL/6; C57BL/10; C58; DBA/2; NZB; NZW; SJL; MFI; Swiss (PO) Strains whilst A2G; A/Sn; ASW; BALB/c; C3H/HEH: CBA. T6T6 are negative or demonstrate very weak reactivity (Hirsch and Gordon 1982). Rat anti mouse Ly-6B.2 has been successfully used for the immunomagnetic depletion of neutrophils during the enrichment of primitive hematopoietic cells from bone marrow (Bertoncello et al. 1991) and the depletion of myeloid cells in vivo (Rosas et al. 2010).
Tested Reactivity	Ms
Tested Application	FACS, ICC/IF, IHC-Fr, IHC-P, WB
Host	Rat
Clonality	Monoclonal
Clone	7/4
Isotype	IgG2a
Target Name	Ly-6B.2
Species	Mouse
Immunogen	Cultured bone marrow cells
Conjugation	Un-conjugated

Application Instructions

Application table

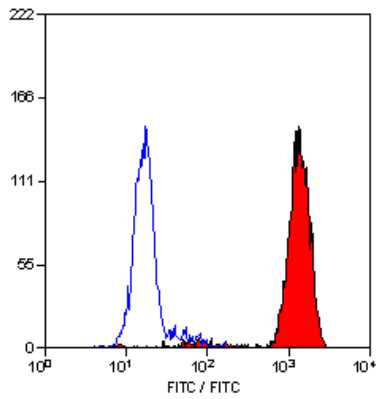
Application	Dilution
FACS	1:50 - 1:100
ICC/IF	Assay-dependent
IHC-Fr	Assay-dependent
IHC-P	Assay-dependent
WB	Assay-dependent

Application Note: FACS: Use 10 µl of the suggested working dilution to label 10^6 cells in 100 µl.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

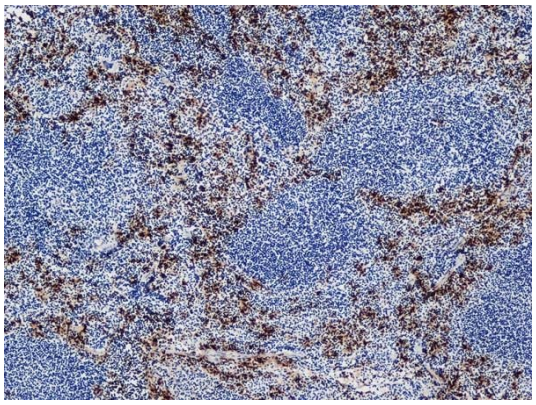
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% Sodium azide.
Preservative	0.09% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Images



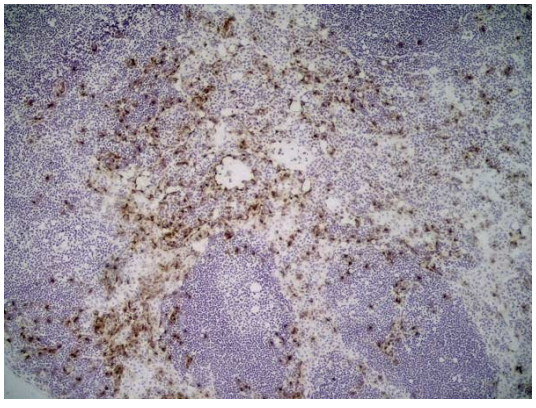
ARG22677 anti-Ly-6B.2 antibody [7/4] FACS image

Flow Cytometry: Mouse peripheral blood granulocytes stained with ARG22677 anti-Ly-6B.2 antibody [7/4].



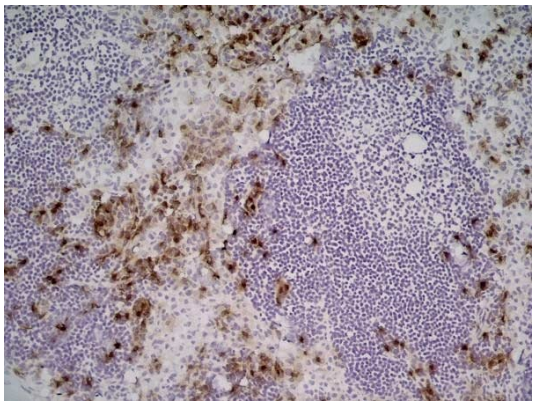
ARG22677 anti-Ly-6B.2 antibody [7/4] IHC-Fr image

Immunohistochemistry: Immunoperoxidase staining of C57BL/6 Mouse spleen cryosection with ARG22677 anti-Ly-6B.2 antibody [7/4].



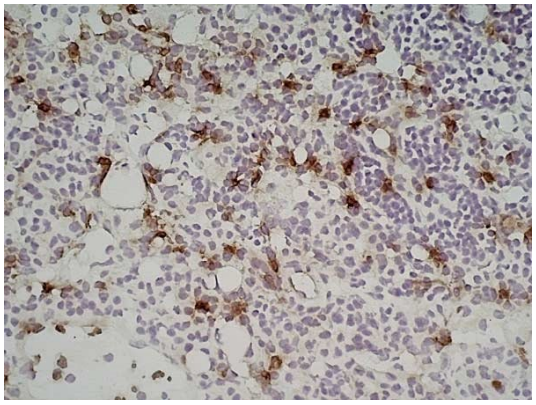
ARG22677 anti-Ly-6B.2 antibody [7/4] IHC-Fr image

Immunohistochemistry: Immunoperoxidase staining of Mouse lymph node cryosection with ARG22677 anti-Ly-6B.2 antibody [7/4]. (Low power).



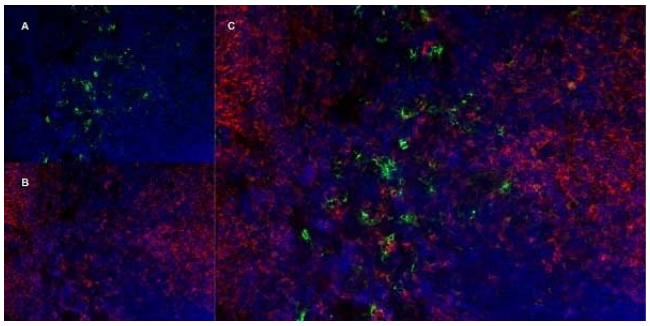
ARG22677 anti-Ly-6B.2 antibody [7/4] IHC-Fr image

Immunohistochemistry: Immunoperoxidase staining of Mouse lymph node cryosection with ARG22677 anti-Ly-6B.2 antibody [7/4]. (Medium power).



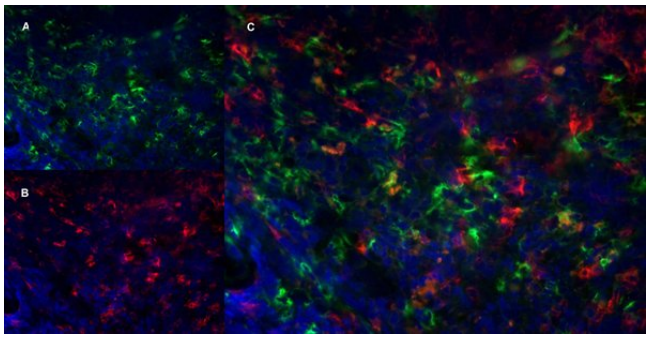
ARG22677 anti-Ly-6B.2 antibody [7/4] IHC-Fr image

Immunohistochemistry: Immunoperoxidase staining of Mouse lymph node cryosection with ARG22677 anti-Ly-6B.2 antibody [7/4]. (High power).



ARG22677 anti-Ly-6B.2 antibody [7/4] IHC-Fr image

Immunohistochemistry: Mouse lymph node cryosection stained with ARG22677 anti-Ly-6B.2 antibody [7/4], green in A and anti-Mouse CD8 antibody, red in B. C is the merged image with nuclei counterstained blue using DAPI. (Low power).



ARG22677 anti-Ly-6B.2 antibody [7/4] IHC-Fr image

Immunohistochemistry: Mouse lymph node cryosection stained with ARG22677 anti-Ly-6B.2 antibody [7/4], green in A and anti-Mouse CD8 antibody, red in B. C is the merged image with nuclei counterstained blue using DAPI. (High power).