

ARG30306 Pro-B Cell Marker Antibody panel (CD19, CD34, CD38, CD40, CD45) (FACS)

Package: 1 kit
Store at: -20°C, 4°C

Component

Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG23128	anti-CD19 antibody [LE-CD19]	Mouse mAb	Hu	ELISA, FACS, IHC-P, IP, WB	50 µg
ARG62856	anti-CD45 antibody [MEM-28]	Mouse mAb	Hu	FACS, ICC/IF, IHC-P, IP, WB	50 µg
ARG62839	anti-CD40 antibody [HI40a] (FITC)	Mouse mAb	Hu	FACS	50 tests
ARG62820	anti-CD34 antibody [4H11(APG)]	Mouse mAb	Hu	FACS, ICC/IF, IHC-P, WB	50 µg
ARG65350	Goat anti-Mouse IgG antibody (HRP)	Goat pAb	Ms	ELISA, IHC-P, WB	50 µl
ARG65351	Goat anti-Rabbit IgG antibody (HRP)	Goat pAb	Rb	ELISA, IHC-P, WB	50 µl

Summary

Product Description	B cell development occurs in the bone marrow and peripheral lymphoid tissues such as spleen. In the bone marrow, pro B Cell, pre B Cell and Immature B Cell develop. During this differentiation, several stages of rearrangement occur at immunoglobulin locus, resulting in the generation and surface expression of different types of receptors, such as pre-B-cell receptor. Different markers are also expressed at the surface of these cells throughout the development of B cell. Pro B Cells express CD19, CD34, CD38, CD40 and B220 on the surface of the cells.
	Arigo has these marker antibodies in the application of Flow Cytometry for the convenience of identifying Pro-B Cells in B cell populations.

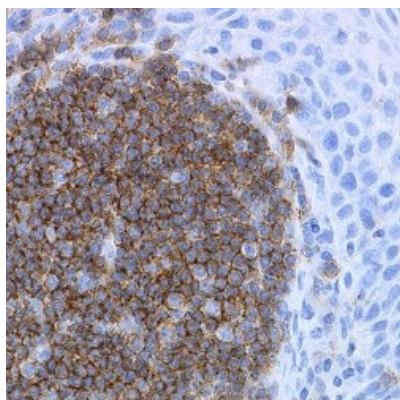
Cambier et al. Nature Rev Immunology 7: 633-643 (2007)
Alberts et al. Molecular Biology of the Cell: 1367
Parham. The Immune System

Target Name	Pro-B Cell Marker
Alternate Names	Pro-B Cell Marker antibody; CD19 antibody; CD38 antibody; CD34 antibody; FITC-conjugated CD40 antibody; CD45 antibody

Properties

Storage instruction	Store antibodies at 4°C or -20°C. Please refer to the each product datasheet for detail temperatures of the antibodies.
Note	For laboratory research only, not for drug, diagnostic or other use.

Images



ARG23128 anti-CD19 antibody [LE-CD19] IHC-P image

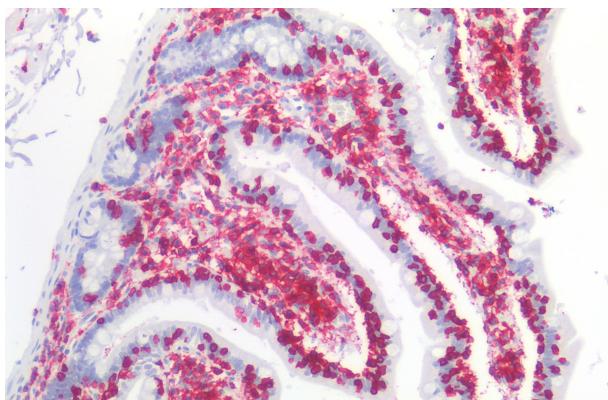
Immunohistochemistry: Formalin-fixed and paraffin-embedded Human tonsil stained with ARG23128 anti-CD19 antibody [LE-CD19].

Raji

250
150
100
75
50
37
25
20
15
10

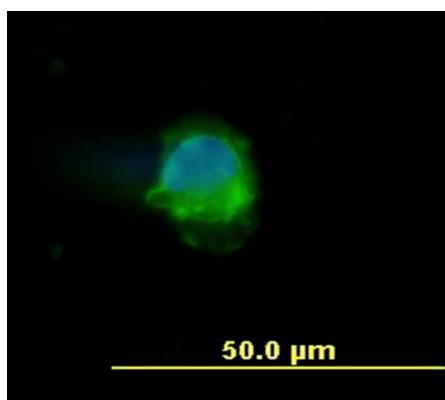
ARG23128 anti-CD19 antibody [LE-CD19] WB image

Western blot: Raji Human Lymphoblastic Burkitt's lymphoma whole cell lysate stained with ARG23128 anti-CD19 antibody [LE-CD19].



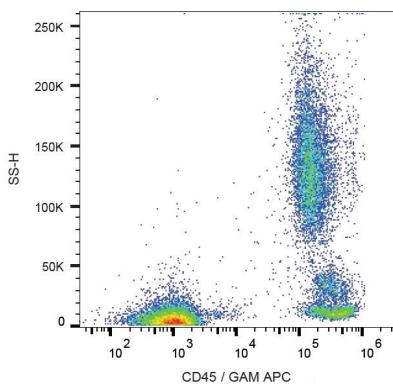
ARG62856 anti-CD45 antibody [MEM-28] IHC-P image

Immunohistochemistry: Paraffin-embedded Human small intestine tissue stained with ARG62856 anti-CD45 antibody [MEM-28] at 10 μ g/ml dilution.



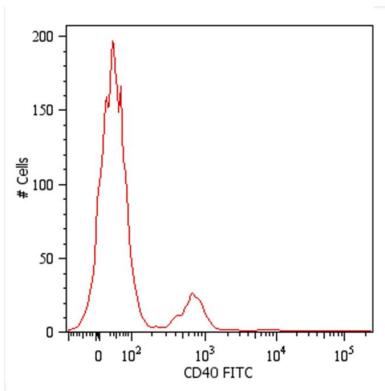
ARG62856 anti-CD45 antibody [MEM-28] ICC/IF image

Immunofluorescence: Human peripheral blood mononuclear cell stained with ARG62856 anti-CD45 antibody [MEM-28] (green). Cell nuclei was stained with DAPI (blue).



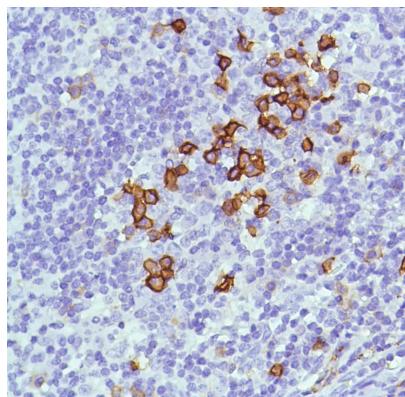
ARG62856 anti-CD45 antibody [MEM-28] FACS image

Flow Cytometry: Human peripheral blood cells stained with ARG62856 anti-CD45 antibody [MEM-28], followed by incubation with APC labelled Goat anti-Mouse secondary antibody.



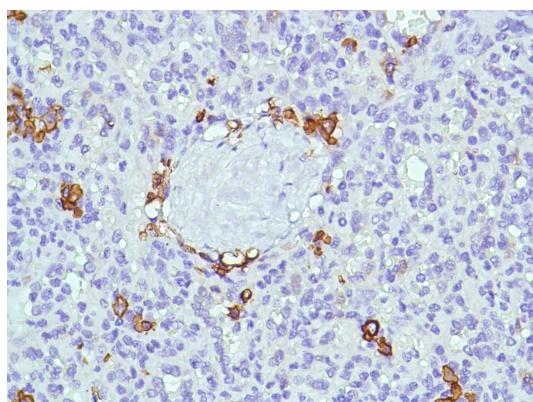
ARG62839 anti-CD40 antibody [HI40a] (FITC) FACS image

Flow Cytometry: Human peripheral blood cells stained with ARG62839 anti-CD40 antibody [HI40a] (FITC). Cells in the lymphocyte gate were used for analysis.



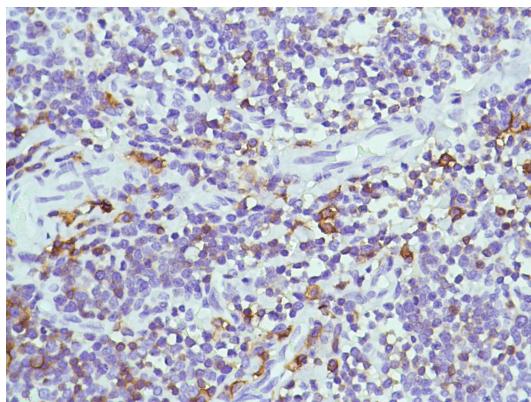
ARG52764 anti-CD38 antibody [SP149] IHC-P image

Immunohistochemistry: Human Tonsil stained with CD38 antibody [SP149] (ARG52764)



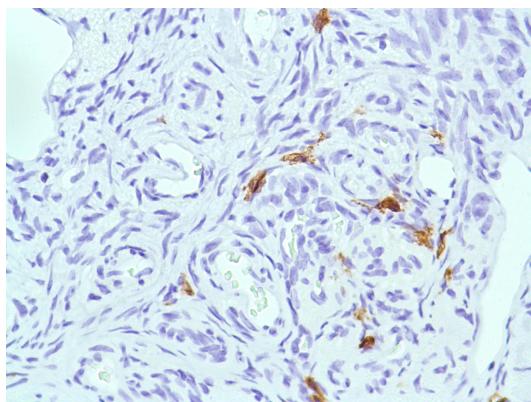
ARG52764 anti-CD38 antibody [SP149] IHC-P image

Immunohistochemistry: Human Spleen stained with CD38 antibody [SP149] (ARG52764)



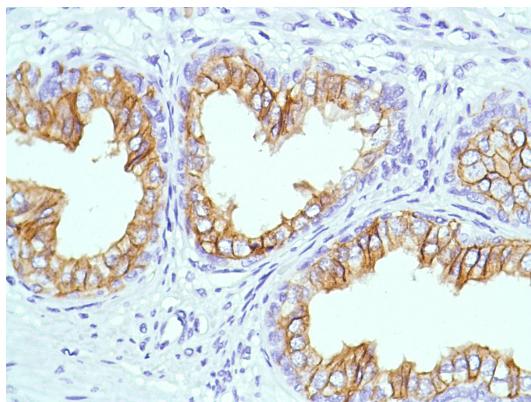
ARG52764 anti-CD38 antibody [SP149] IHC-P image

Immunohistochemistry: Human Thymus stained with CD38 antibody [SP149] (ARG52764)



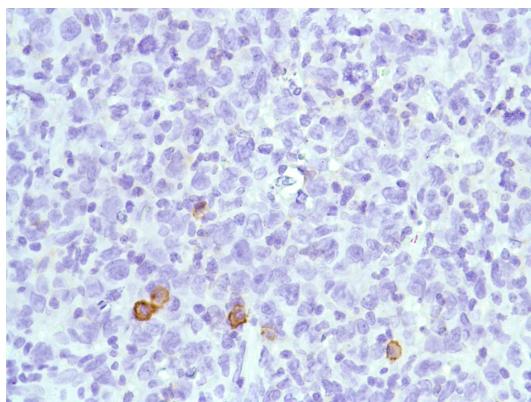
ARG52764 anti-CD38 antibody [SP149] IHC-P image

Immunohistochemistry: Human Ovary stained with CD38 antibody [SP149] (ARG52764)



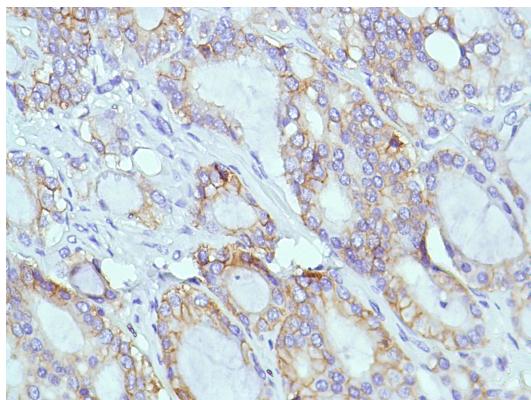
ARG52764 anti-CD38 antibody [SP149] IHC-P image

Immunohistochemistry: Human Prostate stained with CD38 antibody [SP149] (ARG52764)



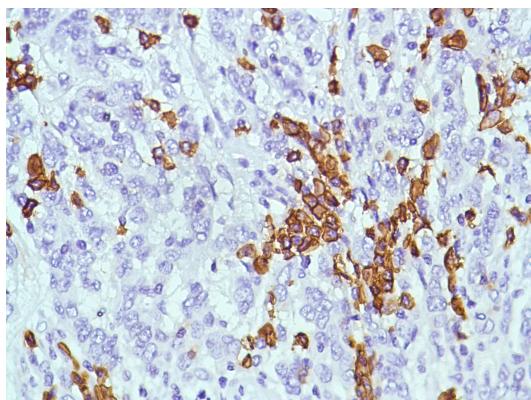
ARG52764 anti-CD38 antibody [SP149] IHC-P image

Immunohistochemistry: Human B Cell Lymphoma stained with CD38 antibody [SP149] (ARG52764)



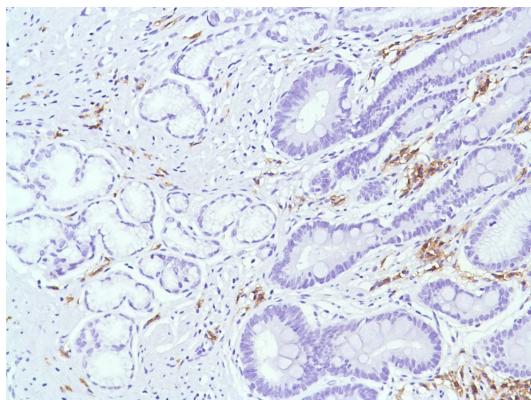
ARG52764 anti-CD38 antibody [SP149] IHC-P image

Immunohistochemistry: Human Prostate Adenocarcinoma stained with CD38 antibody [SP149] (ARG52764)



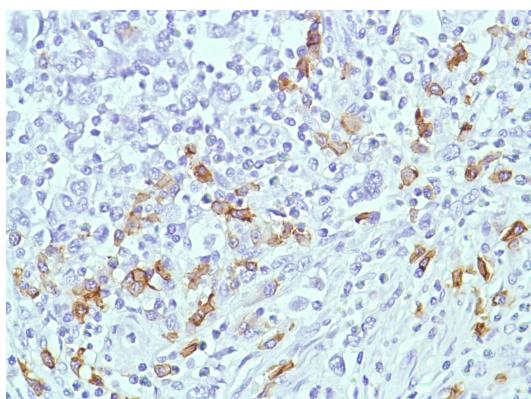
ARG52764 anti-CD38 antibody [SP149] IHC-P image

Immunohistochemistry: Human Stomach Adenocarcinoma stained with CD38 antibody [SP149] (ARG52764)



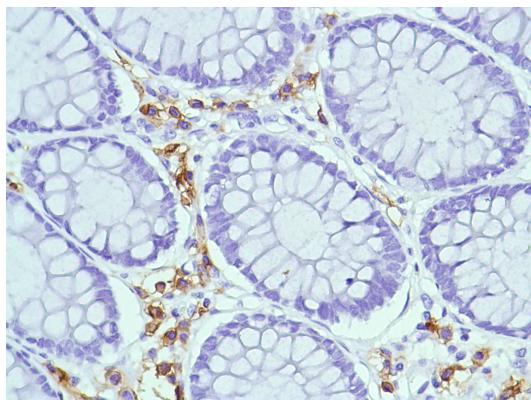
ARG52764 anti-CD38 antibody [SP149] IHC-P image

Immunohistochemistry: Human Stomach stained with CD38 antibody [SP149] (ARG52764)



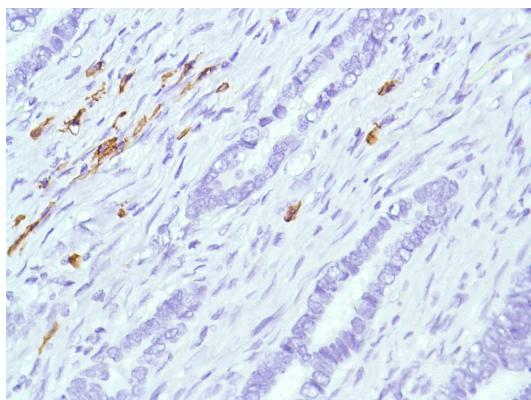
ARG52764 anti-CD38 antibody [SP149] IHC-P image

Immunohistochemistry: Human HK Lymphoma stained with CD38 antibody [SP149] (ARG52764)



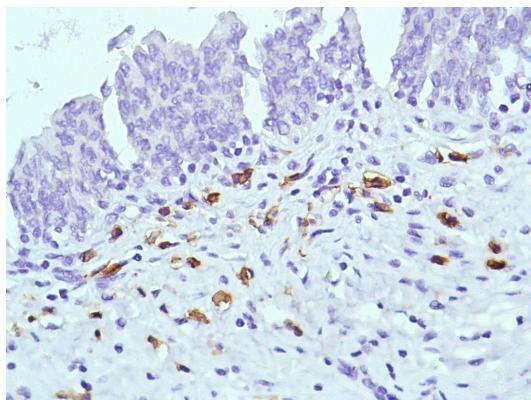
ARG52764 anti-CD38 antibody [SP149] IHC-P image

Immunohistochemistry: Human Colon stained with CD38 antibody [SP149] (ARG52764)



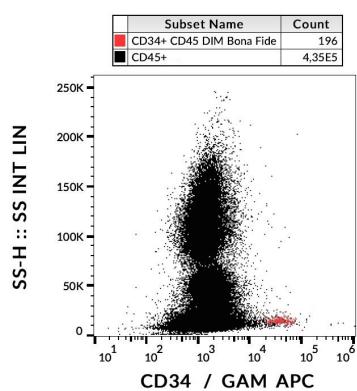
ARG52764 anti-CD38 antibody [SP149] IHC-P image

Immunohistochemistry: Human Colon Adenocarcinoma stained with CD38 antibody [SP149] (ARG52764)



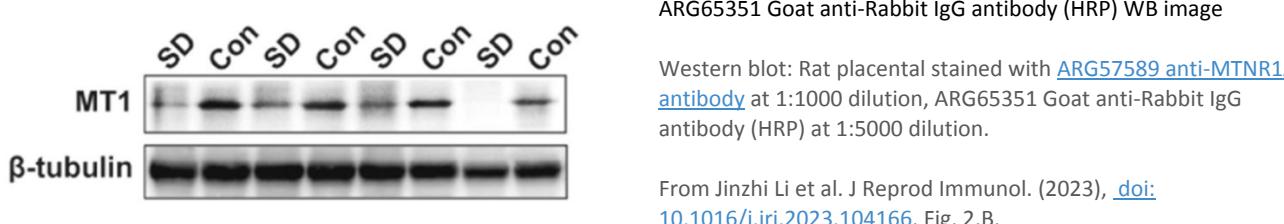
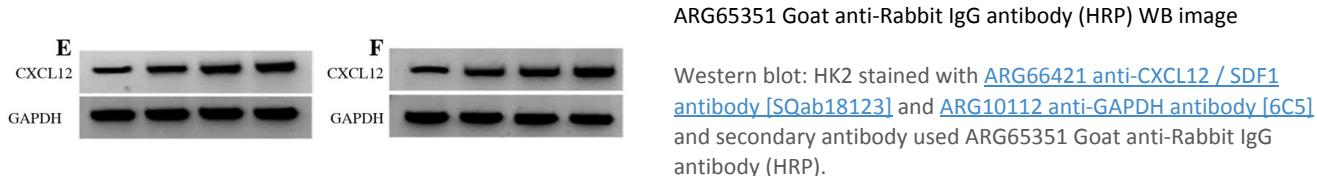
ARG52764 anti-CD38 antibody [SP149] IHC-P image

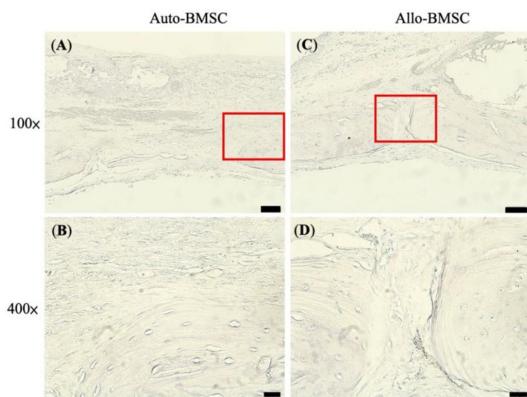
Immunohistochemistry: Human Bladder stained with CD38 antibody [SP149] (ARG52764)



ARG62820 anti-CD34 antibody [4H11(APG)] FACS image

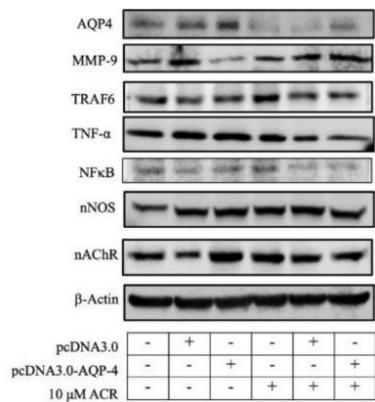
Flow Cytometry: Human peripheral blood stained with ARG62820 anti-CD34 antibody [4H11(APG)], followed by incubation with APC labelled Goat anti-Mouse secondary antibody. CD34+ cells (red); CD45+ cells (black).





ARG65350 Goat anti-Mouse IgG antibody (HRP) IHC-P image

From Cheng-Feng Chu et al. J Pers Med. (2021), [doi:10.3390/jpm11121326](https://doi.org/10.3390/jpm11121326), Fig. 6.



ARG65350 Goat anti-Mouse IgG antibody (HRP) WB image

Western blot: Neuro-2a stained with ARG22361 anti-Aquaporin 4 antibody, ARG40638 anti-MMP9 antibody and ARG65350 Goat anti-Mouse IgG antibody (HRP).

From Hung CY et al. Molecules (2022), [doi:10.3390/molecules27031066](https://doi.org/10.3390/molecules27031066), Fig. 6A.