

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

Package: 1 kit
Store at: -20°C, 4°C

Component

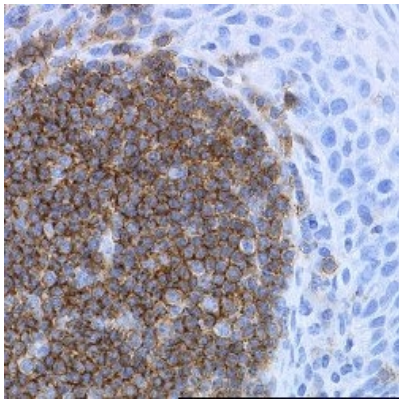
Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG23128	anti-CD19 antibody [LE-CD19]	Mouse mAb	Hu	ELISA, FACS, IHC-P, IP, WB	50 µg
ARG62856	anti-CD45 antibody [MEM-28]	Mouse mAb	Hu	FACS, ICC/IF, IHC-P, IP, WB	50 µg
ARG62839	anti-CD40 antibody [HI40a] (FITC)	Mouse mAb	Hu	FACS	50 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	<p>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.</p> <p>Pro B Cells express CD19, CD34, CD38, CD40 and B220 on the surface of the cells.</p> <p>Arigo has these marker antibodies in the application of Flow Cytometry for the convenience of identifying Pro-B Cells in B cell populations.</p> <p>Cambier et al. Nature Rev Immunology 7: 633-643 (2007) Alberts et al. Molecular Biology of the Cell: 1367 Parham. The Immune System</p>
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

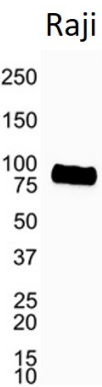
Properties

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.



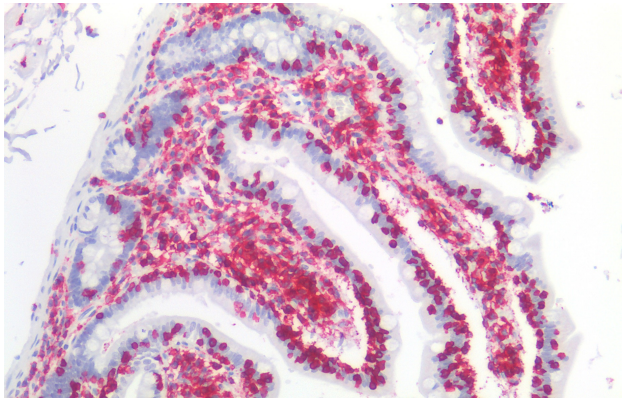
ARG23128 anti-CD19 antibody [LE-CD19] IHC-P image

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



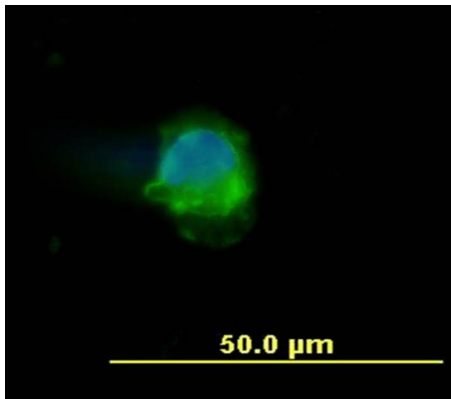
ARG23128 anti-CD19 antibody [LE-CD19] WB image

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



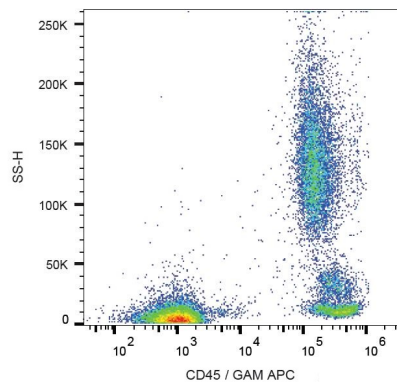
ARG62856 anti-CD45 antibody [MEM-28] IHC-P image

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



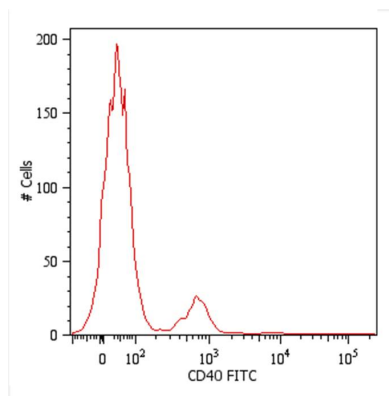
ARG62856 anti-CD45 antibody [MEM-28] ICC/IF image

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



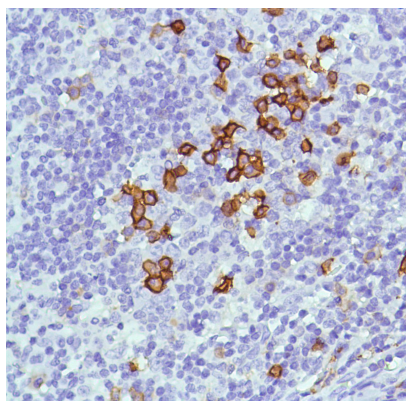
ARG62856 anti-CD45 antibody [MEM-28] FACS image

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.



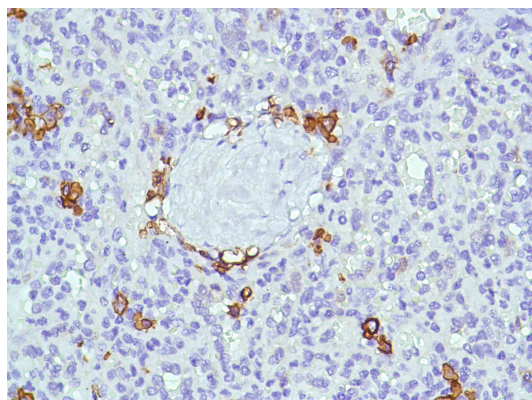
ARG62839 anti-CD40 antibody [HI40a] (FITC) FACS image

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



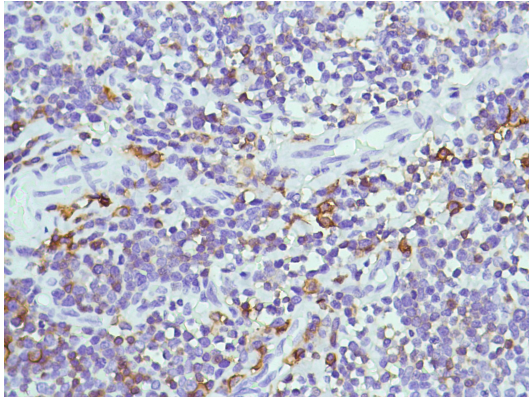
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



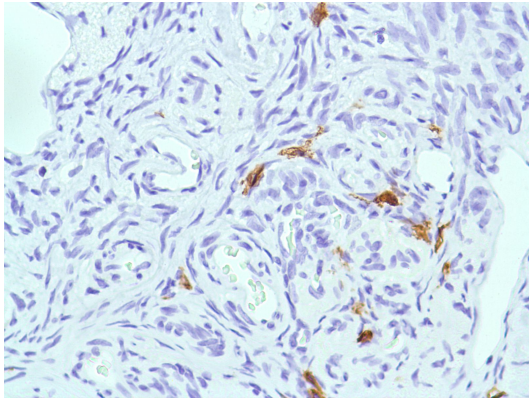
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



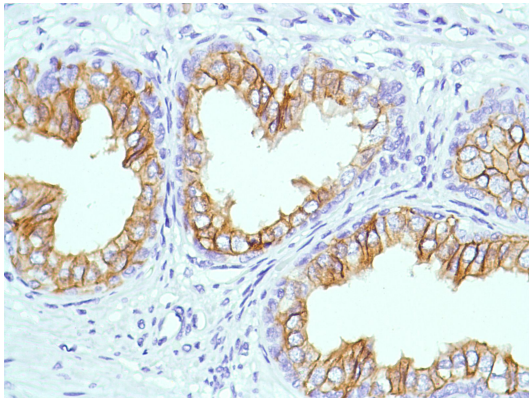
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



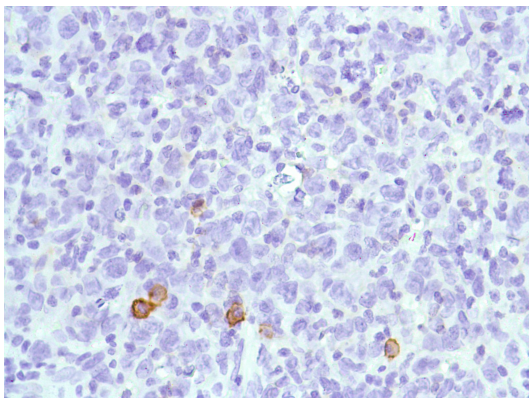
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



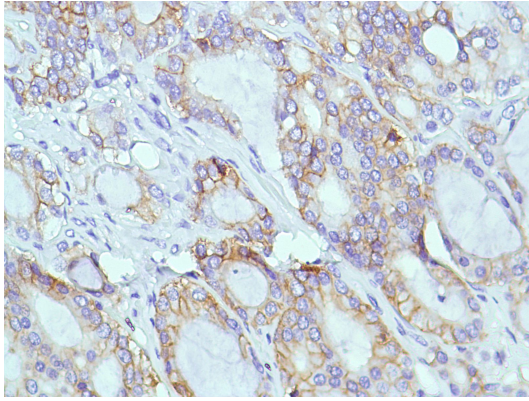
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



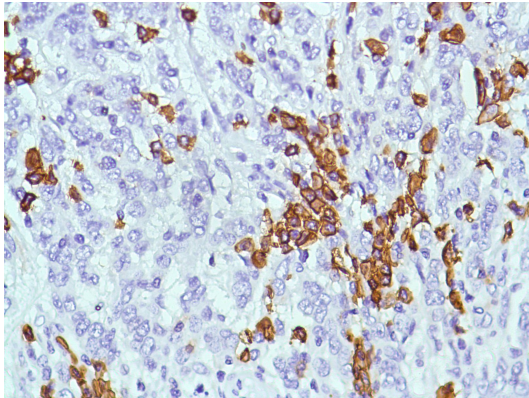
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



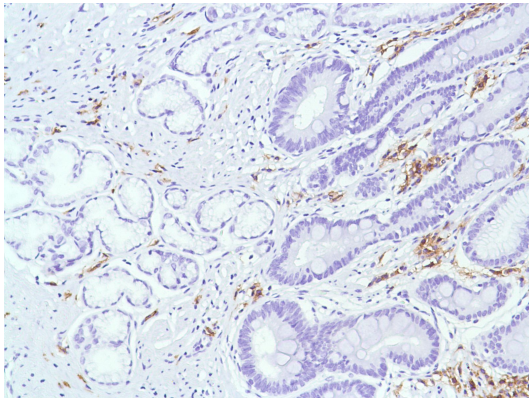
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



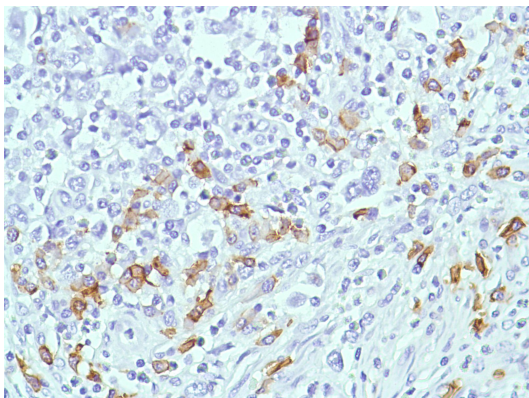
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



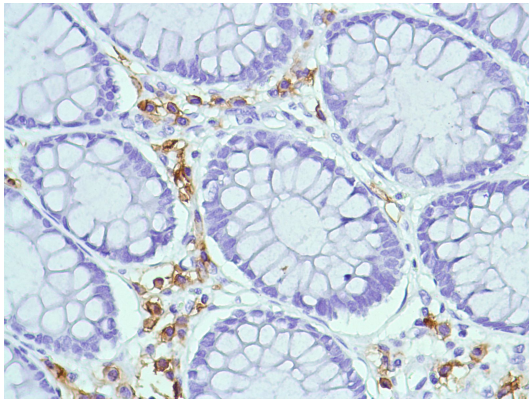
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



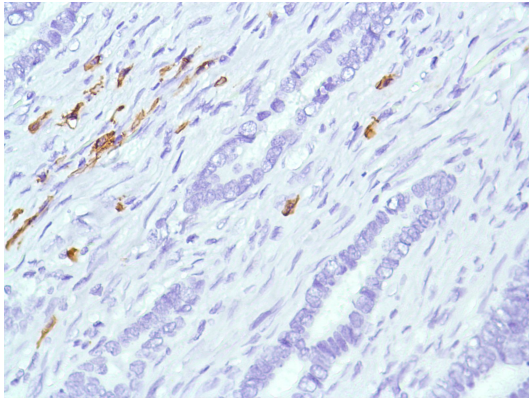
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



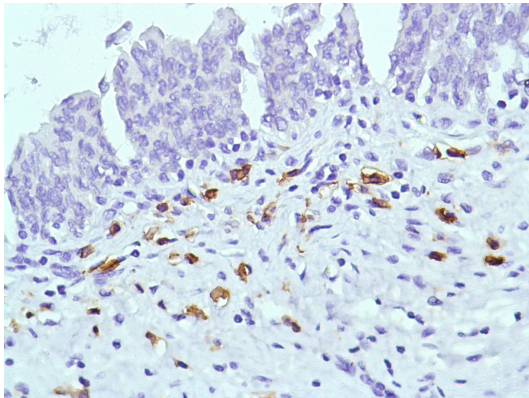
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



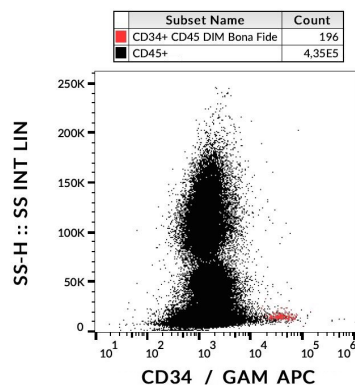
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



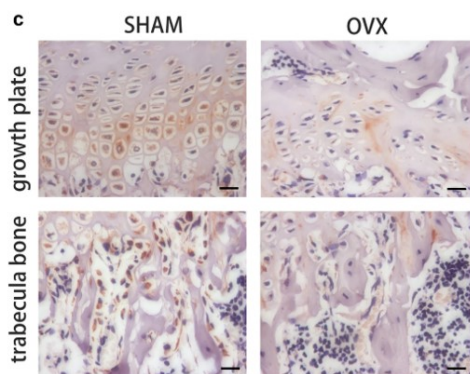
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



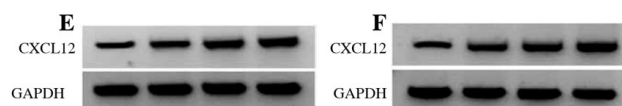
ARG62820 anti-CD34 antibody [4H11(APG)] FACS image

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).



ARG65351 Goat anti-Rabbit IgG antibody (HRP) IHC-P image

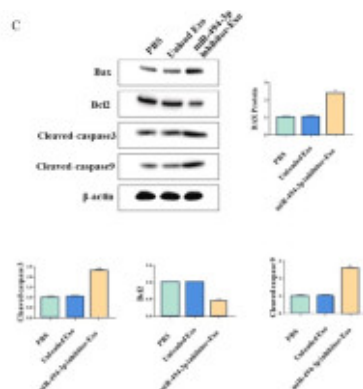
From Yu-Qian Song et al. J Mol Med (Berl) (2022), [doi: 10.1007/s00109-021-02165-0](https://doi.org/10.1007/s00109-021-02165-0), Fig. 5.c.



ARG65351 Goat anti-Rabbit IgG antibody (HRP) WB image

Western blot: HK2 stained with [ARG66421 anti-CXCL12 / SDF1 antibody \[SQab18123\]](https://arigo.nuts.com/antibody/SQab18123) and [ARG10112 anti-GAPDH antibody \[6C5\]](https://arigo.nuts.com/antibody/6C5) and secondary antibody used ARG65351 Goat anti-Rabbit IgG antibody (HRP).

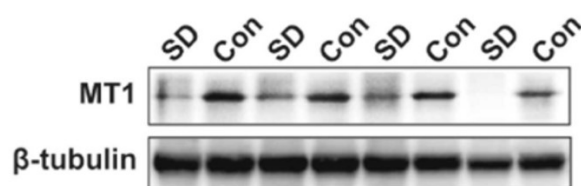
From Zhou Y et al. Central European Journal of Immunology (2022), [doi: 10.5114/ceji.2022.115628](https://doi.org/10.5114/ceji.2022.115628), Fig. 2. E.



ARG65351 Goat anti-Rabbit IgG antibody (HRP) WB image

Western blot: Gastric cancer cells stained with [ARG66247 anti-Bax antibody](https://arigo.nuts.com/antibody/ARG66247), [ARG55188 anti-Bcl 2 antibody](https://arigo.nuts.com/antibody/ARG55188), [ARG57512 anti-Caspase 3 \(cleaved\) antibody](https://arigo.nuts.com/antibody/ARG57512) and [ARG62346 anti-beta Actin antibody \[BA3R\]](https://arigo.nuts.com/antibody/ARG62346). Secondary Antibody stained with ARG65351 Goat anti-Rabbit IgG antibody (HRP).

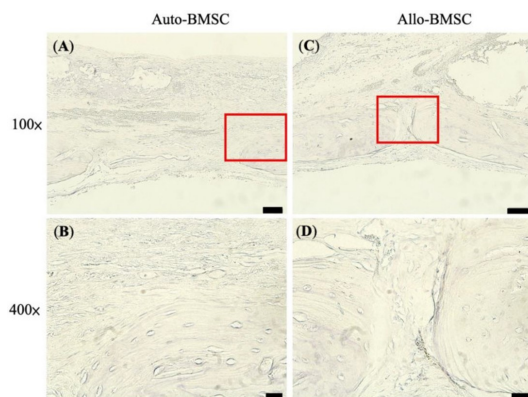
From Limin Zhang et al. Heliyon (2024), [doi: 10.1016/j.heliyon.2024.e30803](https://doi.org/10.1016/j.heliyon.2024.e30803), Fig. 4. C.



ARG65351 Goat anti-Rabbit IgG antibody (HRP) WB image

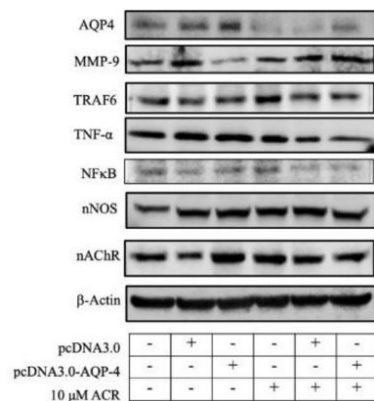
Western blot: Rat placental stained with [ARG57589 anti-MTNR1A antibody](https://arigo.nuts.com/antibody/ARG57589) at 1:1000 dilution, ARG65351 Goat anti-Rabbit IgG antibody (HRP) at 1:5000 dilution.

From Jinzhi Li et al. J Reprod Immunol. (2023), [doi: 10.1016/j.jri.2023.104166](https://doi.org/10.1016/j.jri.2023.104166), Fig. 2.B.



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](https://arigo.bio/antibody/ARG22361), [ARG40638 anti-MMP9 antibody](https://arigo.bio/antibody/ARG40638) 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.