

ARG30307 Pre-B Cell Marker Antibody Panel (CD19, CD25, CD38, CD40, CD45) (FACS)

Package: 1 kit
Store at: -20°C, 4°C

Component

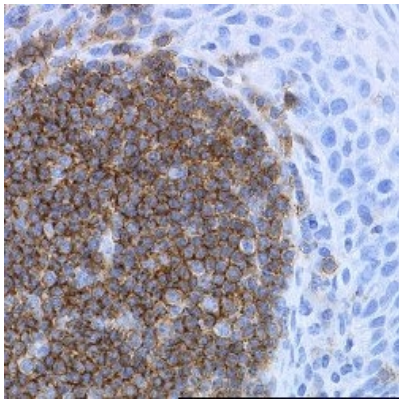
Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG23128	anti-CD19 antibody [LE-CD19]	Mouse mAb	Hu	ELISA, FACS, IHC-P, IP, WB	50 µg
ARG62839	anti-CD40 antibody [HI40a] (FITC)	Mouse mAb	Hu	FACS	50 tests
ARG53801	anti-CD25 antibody [MEM-181] (PE)	Mouse mAb	Hu	FACS	50 tests
ARG62856	anti-CD45 antibody [MEM-28]	Mouse mAb	Hu	FACS, ICC/IF, IHC-P, IP, 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>Pre B Cells express B220, CD25, CD19, CD38 and CD40 on the surface of the cells. Arigo has these marker antibodies in the application of Flow Cytometry for the convenience of identifying Pre-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	Pre-B Cell Marker
Alternate Names	Pre-B Cell Marker antibody; CD19 antibody; CD38 antibody; PE-conjugated CD25 antibody; FITC-conjugated CD40 antibody; CD45 antibody

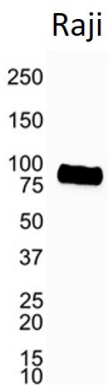
Properties

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.



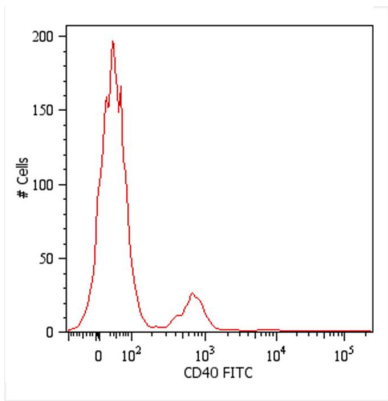
ARG23128 anti-CD19 antibody [LE-CD19] IHC-P image

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



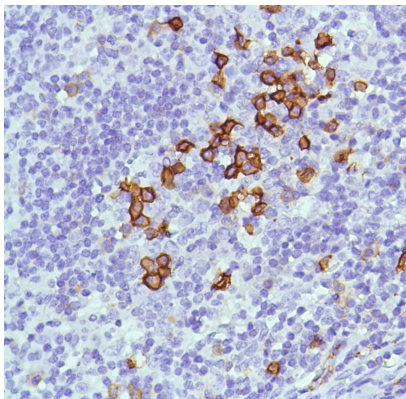
ARG23128 anti-CD19 antibody [LE-CD19] WB image

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



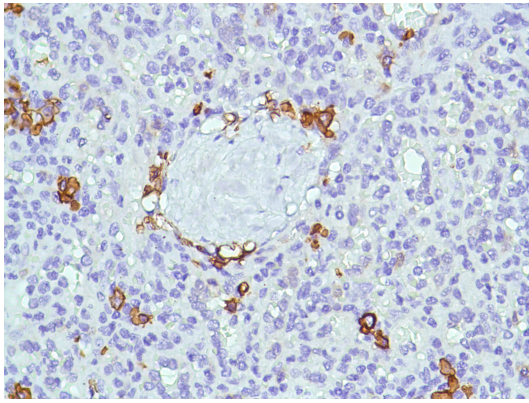
ARG62839 anti-CD40 antibody [HI40a] (FITC) FACS image

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



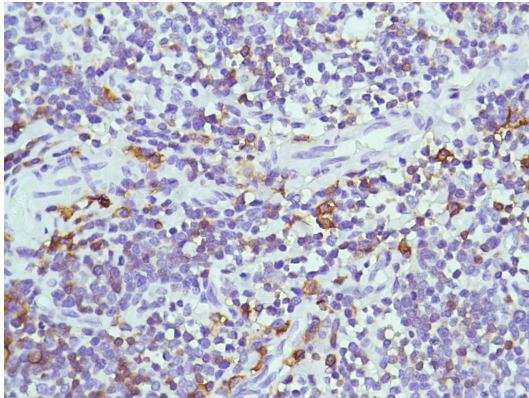
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



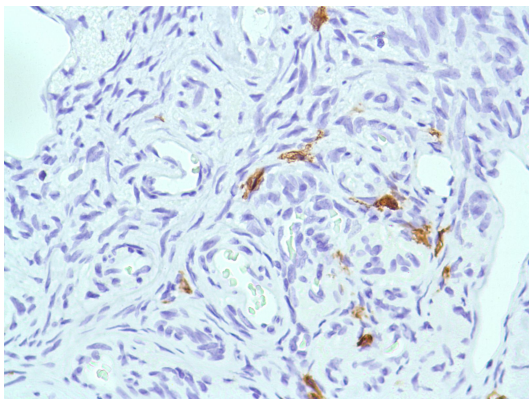
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



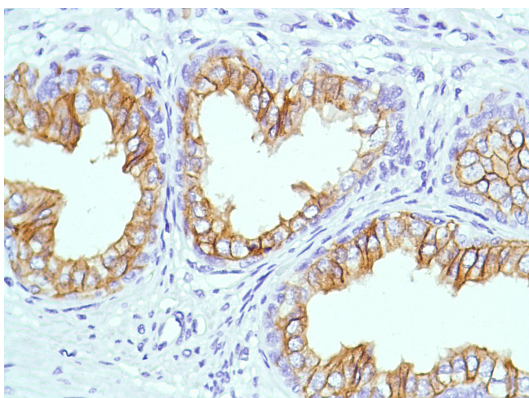
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



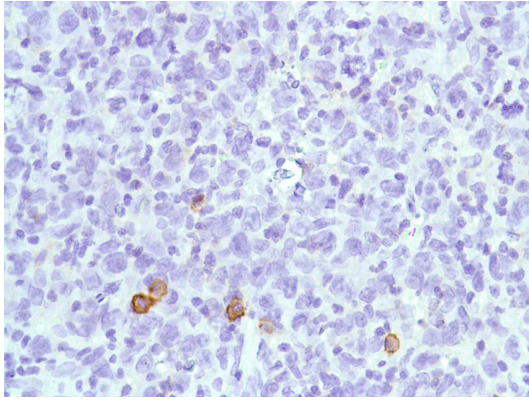
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



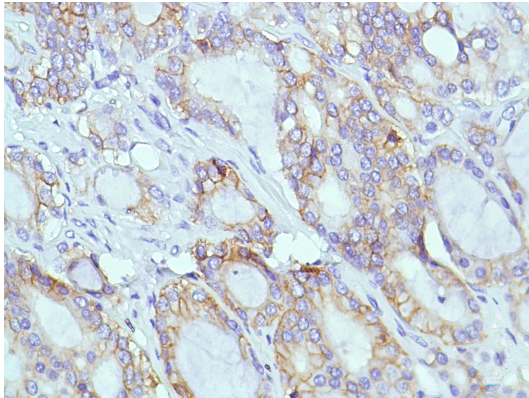
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



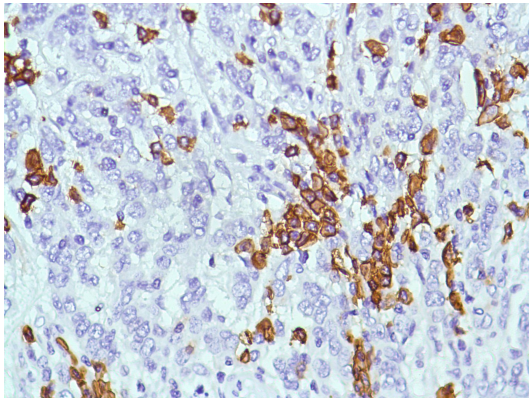
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



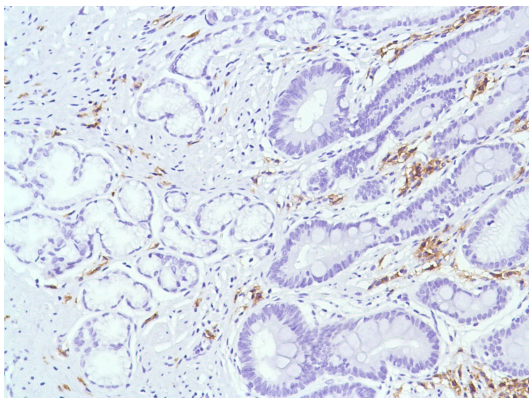
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



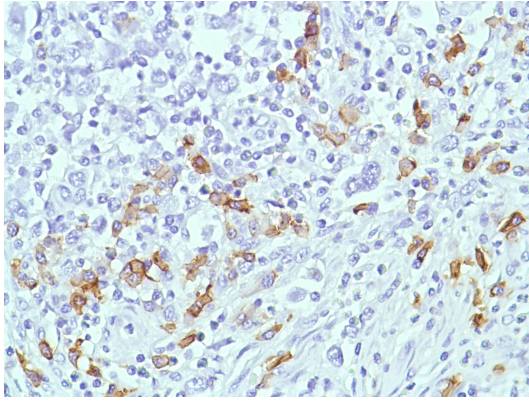
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



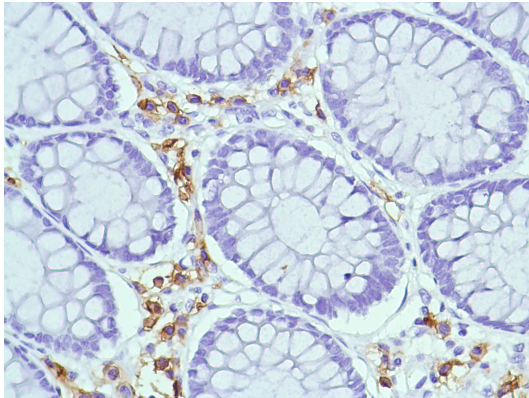
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



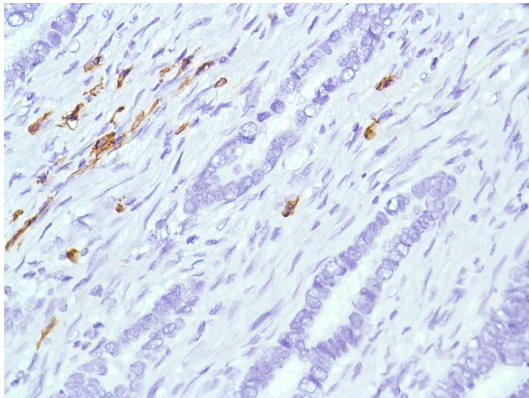
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



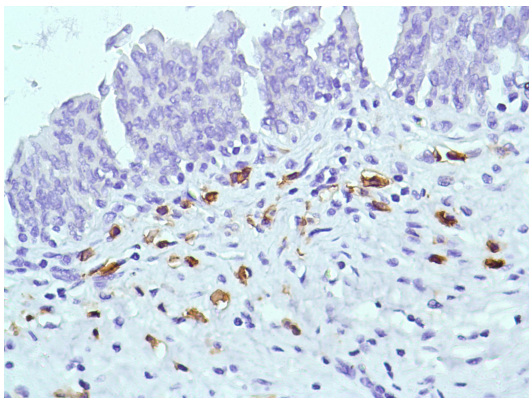
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



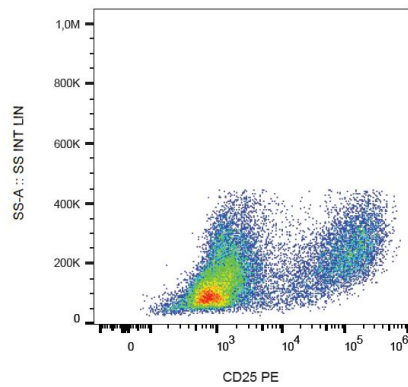
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



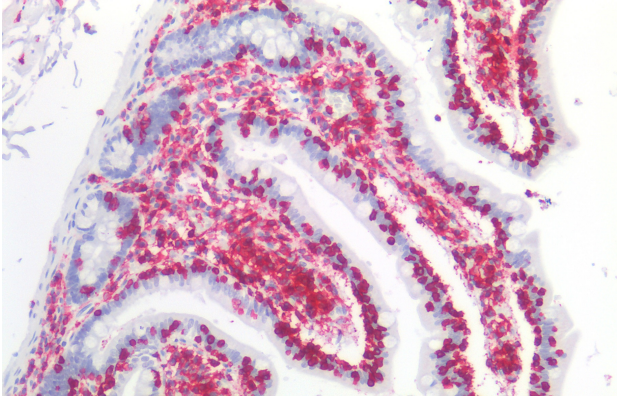
ARG52764 anti-CD38 antibody [SP149] IHC-P image

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



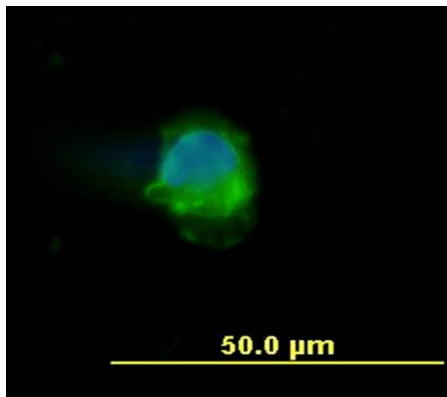
ARG53801 anti-CD25 antibody [MEM-181] (PE) FACS image

Flow Cytometry: PHA-stimulated Human PBMC stained with ARG53801 anti-CD25 antibody [MEM-181] (PE).



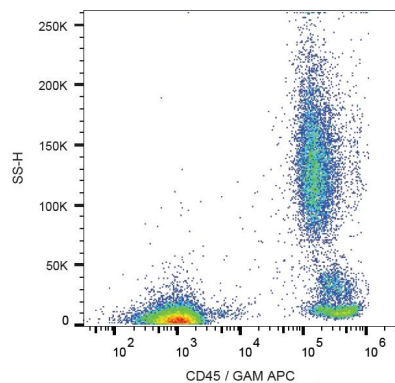
ARG62856 anti-CD45 antibody [MEM-28] IHC-P image

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



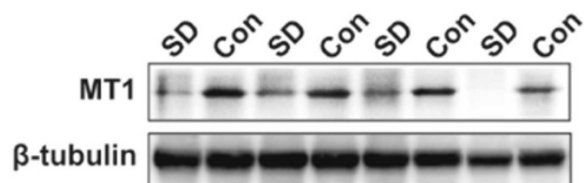
ARG62856 anti-CD45 antibody [MEM-28] ICC/IF image

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.



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

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

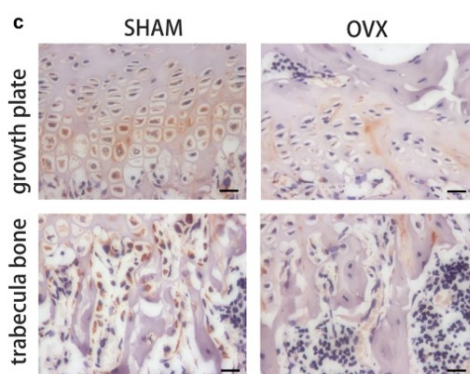
From Jinzhi Li et al. J Reprod Immunol. (2023), [doi: 10.1016/j.jri.2023.104166](#), Fig. 2.B.



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

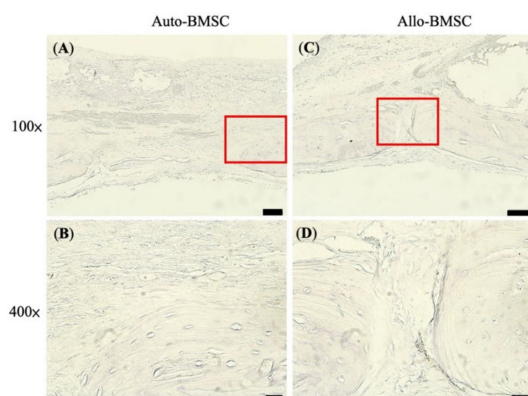
Western blot: Mouse retina stained with [ARG65693 anti-alpha Tubulin antibody](#) and ARG65351 Goat anti-Rabbit IgG antibody (HRP)

From Xiaoyuan Ye et al. Mol Ther Nucleic Acids. (2024), [doi: 10.1016/j.omtn.2024.102209](#), Fig. 5.D.



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](#), Fig. 5.c.



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

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