

Product datasheet

anti-CD43b mouse monoclonal, Bra7G, purified

Short overview

Cat. No.	691583
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgM kappa
Clone	Bra7G
Immunogen	Immature pluripotent human leukemia K562 cells
Formulation	PBS with 0.02% sodium azide
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	FACS, ICC/IF, IHC, WB
Reactivity	Human

Applications

Flow Cytometry (FACS)	0.5-1.0 µg/million cells in 0.1 ml
Immunocytochemistry (ICC)	1:100-1:200 (0.5-1.0 µg/ml)
Immunohistochemistry (IHC) - frozen	1:25-1:50 (2-4 µg/ml)
Immunohistochemistry (IHC) - paraffin	1:25-1:50 (2-4 µg/ml; microwave treatment and/or trypsin digestion at 1 mg/ml PBS recommended)
Western Blot (WB)	1:100-1:200 (0.5-1 µg/ml)

Background

Bra7G reacts with a 95/115 kDa protein on T-cells and thymocytes and a 115/135 kDa molecule on neutrophils and platelets. 70-90% of T-cell lymphomas and from 22-37% of B-cell lymphomas express CD43. No reactivity has been observed with reactive B-cells. So a B-lineage population that co-expresses CD43 is highly likely to be a malignant lymphoma, especially a low-grade lymphoma, rather than a reactive B-cell population. When CD43 antibody is used in combination with anti-CD20, effective immunophenotyping of the lymphomas in formalin-fixed tissues can be obtained. Co staining of a lymphoid infiltrate with anti-CD20 and anti-CD43 argues against a reactive process and favors a diagnosis of lymphoma. In addition, expression is altered in Wiskott Aldrich Syndrome. A proportion of AIDS patients have antibodies to CD43. A soluble form called galactoglycoprotein is present in serum. Bra7G was typed at the 5th International Workshop on Human Leucocyte Differentiation antigens.

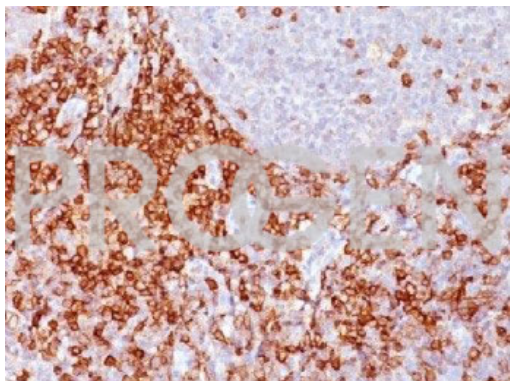
Positive control: paracortex in a tonsil or a reactive lymph node.

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Product images



Human spleen