

## Product datasheet

### anti-CD43a mouse monoclonal, 111-3E9, purified

#### Short overview

<b>Cat. No.</b>	691582
<b>Quantity</b>	1 ml (100 µg/ml)
<b>Concentration</b>	100 µg/ml

#### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG1 kappa
<b>Clone</b>	111-3E9
<b>Immunogen</b>	KG1 cells
<b>Formulation</b>	PBS with 0.02% sodium azide
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity chromatography
<b>Storage</b>	2-8°C
<b>Intended use</b>	Research use only
<b>Application</b>	FACS, ICC/IF, IHC, WB
<b>Reactivity</b>	Human

#### Applications

<b>Flow Cytometry (FACS)</b>	0.5-1.0 µg/million cells in 0.1 ml
<b>Immunocytochemistry (ICC)</b>	1:100-1:200 (0.5-1.0 µg/ml)
<b>Immunohistochemistry (IHC) - frozen</b>	1:25-1:50 (2-4 µg/ml)
<b>Immunohistochemistry (IHC) - paraffin</b>	1:25-1:50 (2-4 µg/ml; microwave treatment in 10 mM citrate buffer pH 6.0 recommended)
<b>Western Blot (WB)</b>	1:100-1:200 (0.5-1.0 µg/ml)

#### Background

111-3E9 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. The epitope of 111-3E9 is clearly different from Bra7G.

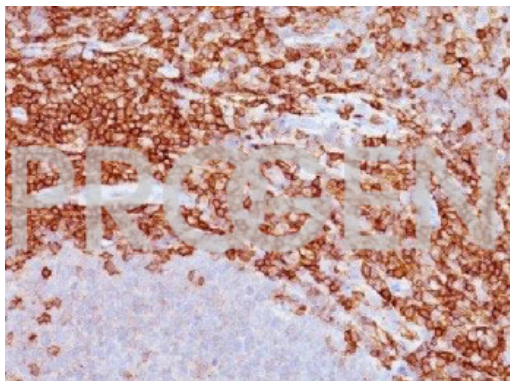
Positive control: paracortex in a tonsil or a reactive lymph node.

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## Product images



Human spleen