

## Product datasheet

### anti-Laminin gamma 1 rat monoclonal, A5, purified

#### Short overview

<b>Cat. No.</b>	691527
<b>Quantity</b>	1 ml (100 µg/ml)
<b>Concentration</b>	100 µg/ml

#### Product description

<b>Host</b>	Rat
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG2a kappa
<b>Clone</b>	A5
<b>Immunogen</b>	Laminin preparation from murine EHS cells
<b>Formulation</b>	PBS with 0.02% sodium azide
<b>UniprotID</b>	P11047 (Human), P02468 (Mouse), A0A4X1TYI6 (Pig), F1MAA7 (Rat)
<b>Synonym</b>	Laminin subunit gamma-1, Laminin B2 chain, Laminin-1 subunit gamma, Laminin-10 subunit gamma, Laminin-11 subunit gamma, Laminin-2 subunit gamma, Laminin-3 subunit gamma, Laminin-4 subunit gamma, Laminin-6 subunit gamma, Laminin-7 subunit gamma, Laminin-8 subunit gamma, Laminin-9 subunit gamma, S-laminin subunit gamma, S-LAM gamma, LAMC1, LAMB2
<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, Monkey, Mouse, Pig, Rat

#### 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>	1:50-1:100 (1-2 µg/ml)
<b>Immunohistochemistry (IHC) - paraffin</b>	1:50-1:100 (1-2 µg/ml; microwave treatment in 10 mM citrate buffer pH 6.0 recommended)
<b>Western Blot (WB)</b>	1:50-1:100 (1-2 µg/ml)

#### Background

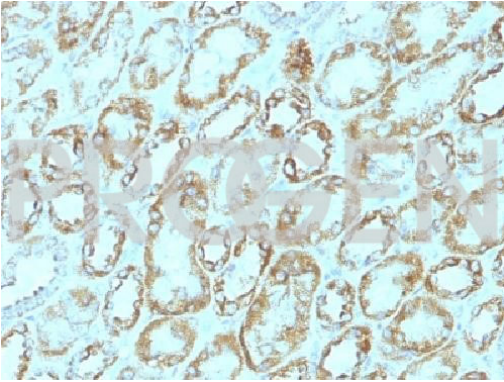
Laminins are large hetero-trimeric, non-collagenous glycoproteins found in basement membranes and composed of alpha, beta, and gamma chains. A5 reacts specifically with gamma chain 1. Alterations of basement membrane integrity, from local discontinuities up to complete loss, are described in many types of human and animal epithelial neoplasms.

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Positive control: normal colon or carcinomas.

## Product images



Human kidney