

### 34-1037: Monoclonal Antibody to Galectin 3 (Clone: 5C21)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	5C21
<b>Application :</b>	WB, IF/ICC, IHC
<b>Reactivity :</b>	Human, Rat, Mouse
<b>Gene :</b>	LGALS3
<b>Gene ID :</b>	3958
<b>Uniprot ID :</b>	P17931
<b>Format :</b>	Purified
<b>Alternative Name :</b>	35 kDa lectin,CBP 35,Carbohydrate-binding protein 35,Galactose-specific lectin 3,GALBP,Galactoside-binding protein,IgE-binding protein,L-31,Laminin-binding protein,Lectin L-29,Mac-2 antigen
<b>Isotype :</b>	Mouse, IgG1
<b>Immunogen Information :</b>	Full length recombinant Galectin-3 expressed in and purified from E. coli

#### Product Info

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Antibody is supplied as an aliquot of 1 mg/ml of affinity purified antibody or concentrated tissue culture supernatant.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

#### Application Note

WB:1:2,000. IF/ICC and IHC: 1:1,000

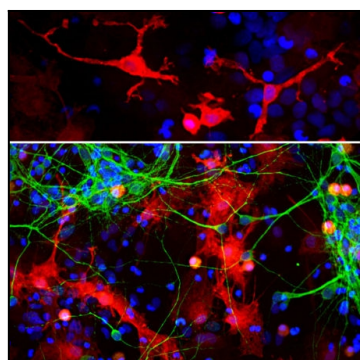


Figure-1: Immunofluorescent analysis of cortical neuron-glia cell culture from E20 rat stained with mouse mAb to galectin 3,(34-1037), dilution 1:1,000 in red, and costained with chicken pAb to MAP2,(34-1064), dilution 1:10,000 in green. The blue is Hoechst staining of nuclear DNA. The (34-1037) antibody produces strong staining of microglia (top panel), other glial cells (bottom panel) and lymphocytic cells (small round cells), while the(34-1064) antibody labels dendrites and perikarya of mature neurons.

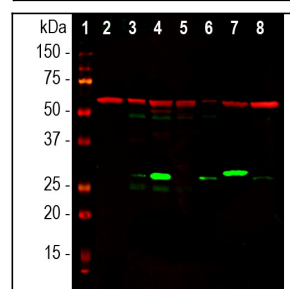


Figure-2: Western blot analysis of different tissue and cell lysates using mouse mAb to galectin 3,(34-1037), dilution 1:2,000 in green: [1] protein standard (red), [2] mouse brain lysate and rat tissue lysates: [3] brain, [4] liver, [5] heart, [6] kidney, [7] lung and [8] HEK293 cell lysate. The band at about 30kDa mark corresponds to the galectin 3 protein. The same blot was simultaneously probed with chicken pAb to heat shock protein 60 (HSP60), dilution 1:20,000, in red, which reveals HSP60 protein in all preparations.