

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

Clonality :	Monoclonal
Clone Name :	5C21
Application :	WB, IF/ICC, IHC
Reactivity :	Human, Rat, Mouse
Gene :	LGALS3
Gene ID :	3958
Uniprot ID :	P17931
Format :	Purified
Alternative Name :	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
Isotype :	Mouse, IgG1
Immunogen Information :	Full length recombinant Galectin-3 expressed in and purified from E. coli

Product Info

Amount :	50 µl / 100 µl
Content :	Antibody is supplied as an aliquot of 1 mg/ml of affinity purified antibody or concentrated tissue culture supernatant.
Storage condition :	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

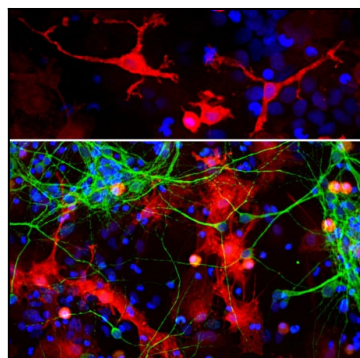


Figure-1: Immunofluorescent analysis of cortical neuron-glia cell culture from E20 rat stained with mouse mAb to galectin 3,(34-1037), dilution 1:1,000 in red, and costained with chicken pAb to MAP2,(34-1064), dilution 1:10,000 in green. The blue is Hoechst staining of nuclear DNA. The (34-1037) antibody 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.

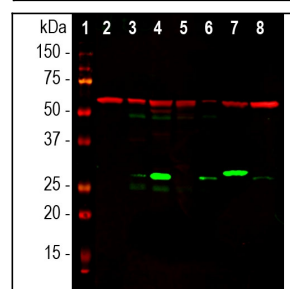


Figure-2: Western blot analysis of different tissue and cell lysates using mouse mAb to galectin 3,(34-1037), dilution 1:2,000 in green: [1] protein standard (red), [2] mouse brain lysate and rat tissue lysates: [3] brain, [4] liver, [5] heart, [6] kidney, [7] lung and [8] HEK293 cell lysate. The band 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.