For Research Use Only

NCAM1/CD56 Recombinant antibody

Catalog Number:82715-3-RR

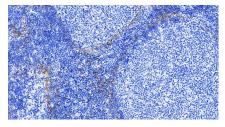


	Catalog Number: 82715-3-RR	GenBank Accession Number: BC047244	Purification Method: Protein A purification
	Size: 100ul, Concentration: 700 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG5528	GeneID (NCBI): 4684 ENSEMBL Gene ID: ENSG00000149294 UNIPROT ID: P13591 Full Name: neural cell adhesion molecule 1 Calculated MW: 95 kDa	CloneNo.: 5N5 Recommended Dilutions: IHC 1:1000-1:4000 IF-P 1:250-1:1000
Applications	Tested Applications: IHC, IF-P, ELISA Species Specificity: human Note-IHC: suggested antigen r TE buffer pH 9.0; (*) Alternation retrieval may be performed we buffer pH 6.0	ively, antigen	
Background Information	Neural cell adhesion molecule 1 (NC. immunoglobulin (Ig) superfamily. It and neurogenesis. NCAM1 is express	is a multifunction protein involved i	n synaptic plasticity, neurodevelopment,
	T cells, and the expression is observe neuroendocrine tumors, Wilms' tumo with molecular masses of 120, 140, a The glycosylphosphatidylinositol (Gr consist of five Ig-like domains and tw	r, neuroblastoma, and NK/T cell lym nd 180 kDa, are generated by altern PI)-anchored NCAM120 and the trans vo fibronection-type III repeats (FNI tion of polysialic acid (PSA) (PMID: 3	s, including myeloma, myeloid leukemia, phomas. Three major isoforms of NCAM1, ative splicing of mRNA (PMID: 9696812). smembrane NCAM140 and NCAM180

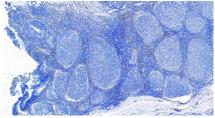
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

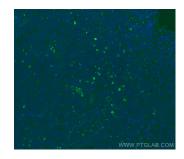
Selected Validation Data



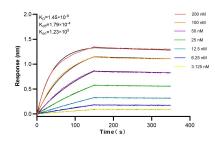
Immunohistochemical analysis of paraffinembedded human tonsillitis tissue slide using 82715-3-RR (NCAM1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human tonsillitis tissue slide using 82715-3-RR (NCAM1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using NCAM1/CD56 antibody (82715-3-RR, Clone: 5N5) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLL) kinetic assays of 82715-3-RR against Human NCAM1/CD56 were performed. The affinity constant is 1.45 nM.