



Rabbit Anti-Human ITGaD Polyclonal Antibody (CABT-L2064)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Integrin Alpha D (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against ITGaD. It has been selected for its ability to recognize ITGaD in immunohistochemical staining and western blotting.
Target	ITGaD
Immunogen	Recombinant fragment corresponding to human ITGAD (Phe886~Glu1106)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Rat
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	The alpha d integrin (CD11d) subunit is expressed as a heterodimer with beta 2 integrin (CD18). CD11d is expressed by a sub-population of macrophages, some CD8 positive T cells and by gamma/delta T cells in the splenic red pulp. Over expression of CD11d is noted in histiocytic disorders including Hemophagocytic sarcoma, described as a proliferative disorder specifically of CD11+ macrophages with macrophages demonstrating marked erythrocytic phagocytosis. Previously, canine histiocytic sarcoma were described as originating entirely from interstitial dendritic cells. Cells from animals with canine hepatosplenic T-cell lymphoma (HTSL) strongly express CD11d on malignant cells. Dogs normally demonstrate strong positivity for CD11d on large granular lymphocytes, macrophages and T cells in the splenic red pulp. CD11+ gamma/delta; T cells constitute ~30% red pulp T cells despite their rarity in peripheral blood, suggesting a splenic red pulp origin of HTSL.
Keywords	CD11d;CD11-D;ITG-AD;ADB2;ITGA-D;CD11 antigen-like family member D;Leukointegrin alpha D

GENE INFORMATION

Gene Name	ITGAD integrin, alpha D [Homo sapiens (human)]
Official Symbol	ITGAD
Synonyms	ITGAD; integrin, alpha D; ADB2; CD11D; integrin alpha-D; leukointegrin alpha D; CD11 antigen-like family member D;
Entrez Gene ID	3681
Protein Refseq	NP_005344
UniProt ID	Q13349
Chromosome Location	16p11.2
Pathway	Extracellular matrix organization; Focal Adhesion; Integrin cell surface interactions; Integrin-mediated cell adhesion; Regulation of actin cytoskeleton;
Function	metal ion binding;