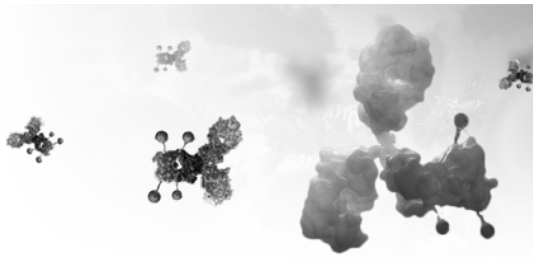

Anti-LGMN monoclonal antibody, clone 423200 (DCABY-4170)

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

PRODUCT INFORMATION

Antigen Description	Legumain is a lysosomal cysteine protease that plays a pivotal role in the endosomal/lysosomal degradation system. Legumain deficiency causes the accumulation of pro-Cathepsins B, H and L, another group of lysosomal cysteine proteases. Overexpression of Legumain in tumors is significant for invasion/metastasis. Also known as Asparaginyl Endopeptidase, it specifically cleaves peptide bonds with Asn or Asp at the P1 position.
Specificity	Detectsboth the pro and mature forms of human Legumain/Asparaginyl Endopeptidase in ELISAs and Western blots.
Immunogen	NS0-derived recombinanthuman Legumain. Val18-Tyr433 Accession Number Q99538
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	423200
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	Western Blot, ELISA Capture (Matched Pair)
Format	Liquid
Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

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Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month from date of receipt, 2 to 8 °C, reconstituted. 6 months from date of receipt, -20 to -70 °C, reconstituted.

GENE INFORMATION

Gene Name	LGMN legumain [Homo sapiens (human)]
Official Symbol	LGMN
Synonyms	LGMN; legumain; AEP; LGMN1; PRSC1; cysteine protease 1; protease, cysteine 1; asparaginyl endopeptidase; protease, cysteine, 1 (legumain);
Entrez Gene ID	5641
Protein Refseq	NP_001008530
UniProt ID	Q53XC6
Chromosome Location	14q32.1
Pathway	Adaptive Immune System; Antigen processing and presentation; Immune System; Innate Immune System; Lysosome; MHC class II antigen presentation; Metabolism; Metabolism of lipids and lipoproteins;
Function	cysteine-type endopeptidase activity; peptidase activity;

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