



# Anti-LAG3 monoclonal antibody, clone 444324 (DCABY-4076)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	LAG-3 (Lymphocyte activation gene-3), also known as CD223, is a member of the immunoglobulin superfamily (IgSF). The mature LAG-3 protein is a 496 amino acid (aa) membrane protein with a 421 aa extracellular region that contains four IgSF domains, a 21 aa transmembrane region and a 54 aa cytoplasmic region. LAG-3 and CD4 molecules share < 20% aa sequence homology but have a similar structure. Both molecules bind to MHC class II. LAG-3 binds to MHC class II with higher affinity than CD4. Both LAG-3 and CD4 genes are located on the distal part of the short arm of chromosome 12.
<b>Specificity</b>	Detects human LAG-3 in ELISAs. In sandwich immunoassays, no cross-reactivity with recombinant mouse LAG-3 is observed.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human LAG-3. Leu23-Leu450 Accession Number P18627
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	444324
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA Capture (Matched Pair)
<b>Format</b>	Liquid
<b>Size</b>	500 µg

<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
<b>Preservative</b>	None
<b>Storage</b>	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, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">LAG3 lymphocyte-activation gene 3 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	LAG3
<b>Synonyms</b>	LAG3; lymphocyte-activation gene 3; CD223; lymphocyte activation gene 3 protein;
<b>Entrez Gene ID</b>	<a href="#">3902</a>
<b>Protein Refseq</b>	<a href="#">NP_002277</a>
<b>UniProt ID</b>	<a href="#">P18627</a>
<b>Chromosome Location</b>	12p13.32
<b>Function</b>	MHC class II protein binding; antigen binding; transmembrane signaling receptor activity;