



# Anti-KIR2DS4; KIR2DL4; KIR2DL3; KIR2DL1 monoclonal antibody, clone 3I7 (DCABH-8338)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to KIR2DL1 + KIR2DL3 + KIR2DL4 + KIR2DS4
<b>Antigen Description</b>	KIRs are human natural killer (NK) cell receptors for MHC class I molecules. Most inhibit the activity of NK cells thus preventing cell lysis. Two main families of receptors for HLA class I have been discovered on human NK cells: Killer cell Immunoglobulin-like receptors (KIR) and CD94/NGG2 heterodimers. The KIR receptors are an extremely diverse family of receptors. In addition to receptors for HLA, NK cells also express pattern recognition receptors e.g. TLRs and Nod proteins.
<b>Specificity</b>	This antibody recognises KIR2DL1, KIR2DL3, KIR2DL4 and KIR2DS4, members of killer cell immunoglobulin like receptor family.
<b>Immunogen</b>	Recombinant human KIR2D purified from E. coli.
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	3I7
<b>Purity</b>	Protein A purified
<b>Purification</b>	This antibody was purified from mouse ascitic fluids whole serum by affinity chromatography.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, WB
<b>Positive Control</b>	Human recombinant proteins KIR2DL1, KIR2DL3 and KIR2DL4.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	Preservative: 0.02% Thimerosal (merthiolate).; Constituents: PBS.
<b>Preservative</b>	None
<b>Storage</b>	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">KIR2DL1 killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	KIR2DL1
<b>Synonyms</b>	KIR2DL1; killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 1; killer cell immunoglobulin-like receptor 2DL1; 47.11; CD158A; cl 42; nkat1; p58.1; NKAT-1; killer Ig receptor; p58 NK receptor CL-42/47.11; MHC class I NK cell recep
<b>Entrez Gene ID</b>	<a href="#">3802</a>
<b>Protein Refseq</b>	<a href="#">NP_055033</a>
<b>UniProt ID</b>	<a href="#">P43626</a>
<b>Chromosome Location</b>	19q13.4
<b>Pathway</b>	Adaptive Immune System, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Graft-versus-host disease, organism-specific biosystem; Graft-versus-host disease, conserved biosystem; Immune System, organism-specific biosystem; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell, organism-specific biosystem.
<b>Function</b>	protein binding; receptor activity;