

30-1560: Anti-CD158a/g/h Monoclonal Antibody (Clone:HP-MA4)

Clonality :	Monoclonal
Clone Name :	HP-MA4
Application :	FACS, IP
Reactivity :	Human
Gene :	KIR2DL1
Gene ID :	3802
Uniprot ID :	P43626
Format :	Purified
Alternative Name :	KIR2DL1,CD158A,NKAT1
Isotype :	Mouse IgG2b
Immunogen Information :	Human NK cell line LB2

Description

Killer cell immunoglobulin-like receptors (KIRs) are polymorphic transmembrane glycoproteins expressed by natural killer cells and subsets of T cells. They are classified by the number of extracellular immunoglobulin domains (2D or 3D) and by whether they have a long (L) or short (S) cytoplasmic domain. KIR proteins with the long cytoplasmic domain (such as CD158a / KIR2DL1) transduce inhibitory signals upon ligand binding via an immune tyrosine-based inhibitory motif (ITIM), while KIR proteins with the short cytoplasmic domain (such as CD158g / KIR2DS5, CD158h / KIR2DS1, or KIR2DS3) lack the ITIM motif and instead associate with the TYRO protein tyrosine kinase binding protein to transduce activating signals. The ligands for CD158 isoforms are subsets of MHC class I molecules.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.