

## KIR3DL1 monoclonal antibody

Catalog: MB22480

Host: Mouse

Reactivity: Human, Rat, Monkey

### BackGround:

Killer cell immunoglobulin-like receptors (KIRs) are transmembrane glycoproteins expressed by natural killer cells and subsets of T cells. The KIR genes are polymorphic and highly homologous and they are found in a cluster on chromosome 19q13.4 within the 1 Mb leukocyte receptor complex (LRC). The gene content of the KIR gene cluster varies among haplotypes, although several "framework" genes are found in all haplotypes (KIR3DL3, KIR3DP1, KIR3DL4, KIR3DL2). The KIR proteins 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 transduce inhibitory signals upon ligand binding via an immune tyrosine-based inhibitory motif (ITIM), while KIR proteins with the short cytoplasmic domain lack the ITIM motif and instead associate with the TYRO protein tyrosine kinase binding protein to transduce activating signals. The ligands for several KIR proteins are subsets of HLA class I molecules; thus, KIR proteins are thought to play an important role in regulation of the immune response.

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

49kDa

### Swiss-Prot:

P43629

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000

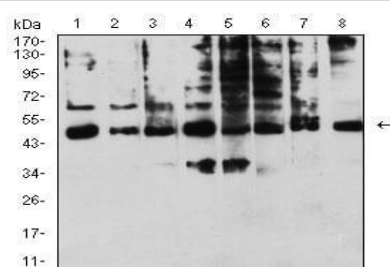
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

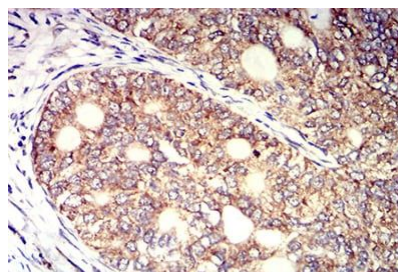
### Isotype:

Mouse IgG2b

### DATA:



Western blot analysis using KIR3DL1 mouse mAb against A431 (1), Raji (2), SPC-A-1 (3), K562 (4), HEK293 (5), U937 (6), C6 (7), and COS7 (8) cell lysate.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using KIR3DL1 mouse mAb with DAB staining.

### Note:

For research use only, not for use in diagnostic procedure.

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