



20150213ML

Anti-Human KIR (#11G25)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	101-M538
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with human recombinant protein of KIR.

Target Background

Synonyms (Target):	GEM; KIR, CD158, Kiriogen
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The KIR gene family currently consists of 15 gene loci (KIR2DL1, KIR2DL2/L3, KIR2DL4, KIR2DL5A, KIR2DL5B, KIR2DS1, KIR2DS2, KIR2DS3, KIR2DS4, KIR2DS5, KIR3DL1/S1, KIR3DL2, KIR3DL3 and two pseudogenes, KIR2DP1 and KIR3DP1) encoded within a 100-200 Kb region of the Leukocyte Receptor Complex (LRC) located on chromosome 19 (19q13.4). The LRC constitutes a large, 1 Mb, and dense cluster of rapidly evolving immune genes which contains genes encoding other cell surface molecules with distinctive Ig-like extra-cellular domains. These genes include, from centromere to telomere, Leukocyte Immunoglobulin-like Receptors (LILR) and Leukocyte-Associated Immunoglobulin-like Receptors (LAIR), FcGammaR as well as the Natural cytotoxicity-triggering Receptor 1 (NCR1). In addition the extended LRC contains genes encoding the Sialic acid binding Immunoglobulin-like Lectins (SIGLEC) and the CD66 family members such as the carcino-embryonic antigen (CEA) genes as well as the genes encoding the transmembrane adaptor molecules DAP10 and DAP12.

Database References Target

Protein RefSeq:	NP_005252.1
Uniprot ID:	P55040
mRNA RefSeq:	NM_005261.3

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#11G25)
Isotype	IgG2
Purification	Protein G chromatography
Antigen	human recombinant KIR
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody was selected for its ability to detect human Kiriogen.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB

Recommended usage:

Western Blot: 1:500 - 1:1000

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!