

Product datasheet for **SM2048PS**

LAIR1 Mouse Monoclonal Antibody [Clone ID: NKTA255]

Product data:

Product Type:	Primary Antibodies
Clone Name:	NKTA255
Applications:	FC, IP, WB
Recommended Dilution:	Flow Cytometry: 1/50 - 1/100; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl. Immunoprecipitation. Western Blot: this antibody detects a band of approximately 40 kDa.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	NK cells lines B12.100 and AM.25. Spleen cells from immunised mice were fused with cells of the P3U1 myeloma cell line.
Specificity:	This antibody recognises leukocyte-associated Ig-like receptor-1 (LAIR-1). Clone NKTA255 is reported to inhibit NK cell triggering via CD16 molecules. We recommend the use of SM2048A for this purpose.
Formulation:	PBS, pH7.4 containing 0.09% Sodium Azide State: Aff - Purified State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	leukocyte associated immunoglobulin like receptor 1
Database Link:	Entrez Gene 3903 Human Q6GTX8



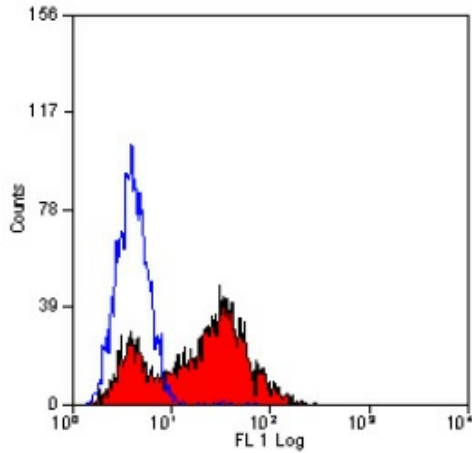
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Background:

LAIR-1 is a 40kD cell surface molecule that functions as an inhibitory receptor on natural killer cells, monocytes and T cells. LAIR-1, otherwise known as CD305, is also expressed by other haematopoietic cells including B cells, but is not expressed by nonhaematopoietic, platelets or erythrocytes.

Synonyms:

LAIR-1, hLAIR1

Product images:

Staining of human peripheral blood lymphocytes with MOUSE ANTI HUMAN CD305.