

Anti-CD94 Antibody (5I101)

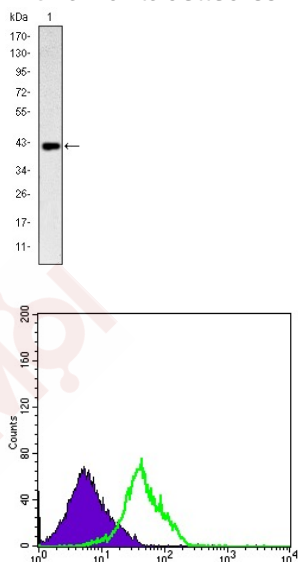
Product Details

Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 21 kDa.
Clone:	5I101
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of CD94 on human CD94 recombinant protein using anti-CD94 antibody at 1/1,000 dilution.
2. Flow cytometric analysis of RAJI cells with CD94 antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; purple).



Application:	FCM,WB
Recommended	WB: 1:500-1000; FCM: 1:100-200

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein
Uniprot ID: Q13241
Synonyms: killer cell lectin-like receptor subfamily D, member 1;CD94

Research Background

The activity of natural killer (NK) cells is regulated by members of multiple receptor families that recognize class I MHC molecules, such as the killer cell inhibitory receptor/leukocyte immunoglobulin-like receptor (KIR/LIR) family and the C-type lectin superfamily. The KIR/LIR family includes p91A and p91B (also designated PIR-A). p91A acts as an inhibitory receptor through interactions with SHP-1, whereas p91B acts as an activating receptor (3-4). CD94, NKG2 and Ly-49 are members of the C-type lectin superfamily of type II membrane glycoproteins. CD94 forms heterodimers with NKG2 isoforms on the surface of NK cells, whereas Ly-49 isoforms form homodimers. NKG2-D, expressed on NK cells, gdT cells, and CD8+ $\alpha\beta$ T cells, is a receptor for the stress inducible protein MICA, an antigen frequently expressed in epithelial tumors.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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