

SIGIRR Antibody

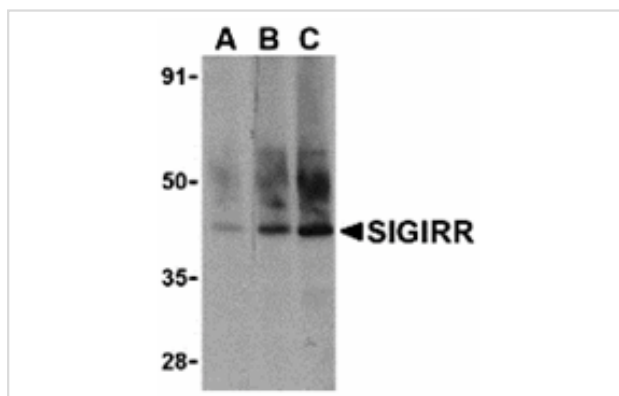
Catalog No: #24256

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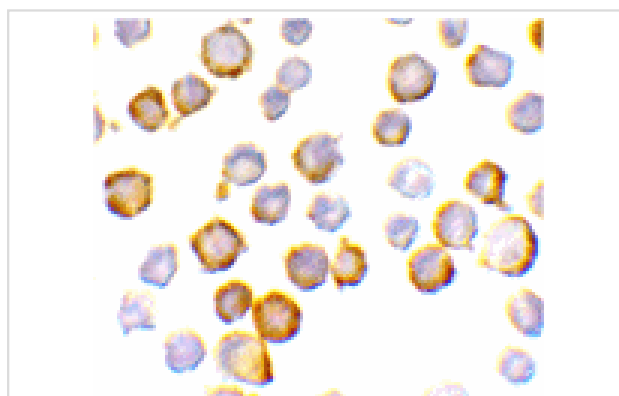
Description

Product Name	SIGIRR Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	E WB ICC
Species Reactivity	Hu Ms
Immunogen Type	Peptide
Immunogen Description	Raised against a synthetic peptide corresponding to 15 amino acids at the C-terminus of mouse SIGIRR.
Target Name	SIGIRR
Accession No.	CAG33619
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of SIGIRR in A549 cell lysate with SIGIRR antibody at (A) 0.5, (B) 1, and (C) 2 ug/mL.



Immunocytochemistry of SIGIRR in A549 cells with SIGIRR antibody at 10 ug/mL.

Background

SIGIRR is a member of the Toll-like receptor-interleukin 1 receptor superfamily. Members of this family are defined by the presence of an intracellular Toll-IL-1R (TIR) domain. The Toll-like receptors (TLRs) are signaling molecules that recognize different microbial products during infection and serve

as an important link between the innate and adaptive immune responses. SIGIRR was originally identified through database analysis and was shown to have only one Ig domain as opposed to the normal three Ig folds seen in the TIR family. Similar to ST2, another TIR family member, it has been shown to negatively regulate IL-1 receptor and Toll-like receptor signaling. However, SIGIRR inhibits TLR-IL-1R signaling by dimerizing with TLR4, TLR5, TLR9, and IL-1R. It also associates with the down-stream TLR signaling proteins IRAK and TRAF6 in an IL-1-dependent fashion.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.