For Research Use Only

IRT1 Polyclonal antibody

Catalog Number:51096-1-AP

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Basic Information

Catalog Number:
51096-1-AP

Size:
150ul

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC009474

GeneID (NCBI):
199

ENSEMBL Gene ID:
ENSG00000204472

UNIPROT ID:
P55008

Full Name:
allograft inflammatory factor 1

Calculated MW:
17 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
ELISA

Species Specificity:
human

Background Information

AIF1, also named as G1, IBA1 and daintain/AIF-1, is a 143 amino acid cytoplasmic, inflammation response scaffold protein. It is constitutively expressed in monocytes and macrophages and is known to be involved in macrophage activation. It is a marker of activated macrophage. Despite a lack of detailed knowledge on the in vivo physiological functions of AIF-1, there is growing evidence that shows its aberrant expression contributes to the pathogenesis of many autoimmune diseases, including rheumatoid arthritis. (20944424). AIF1 is an actin-binding protein that enhances membrane ruffling and RAC activation. It enhances lymphocyte migration and the actin-bundling activity of LCP1. AIF1 plays a role in RAC signaling and in phagocytosis and a role in vascular inflammation. It may play a role in macrophage activation and function. AIF1 promotes the proliferation of vascular smooth muscle cells and of T-lymphocytes.

Storage

Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
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Selected Validation Data