

**Anti-IL-1R1 / CD121a Reference Antibody (AMG 108)
Recombinant Antibody
Catalog # APR10710****Specification**

Anti-IL-1R1 / CD121a Reference Antibody (AMG 108) - Product Information

Application	FC, E, FTA
Primary Accession	P14778
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2SA
Calculated MW	150 KDa

Anti-IL-1R1 / CD121a Reference Antibody (AMG 108) - Additional Information**Target/Specificity**

IL-1R1 / CD121a

Endotoxin

< 0.001EU/ µg, determined by LAL method.

Conjugation

Unconjugated

Expression system

CHO Cell

Format

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

Anti-IL-1R1 / CD121a Reference Antibody (AMG 108) - Protein Information**Name** IL1R1**Synonyms** IL1R, IL1RA, IL1RT1**Function**

Receptor for IL1A, IL1B and IL1RN (PubMed: [2950091](http://www.uniprot.org/citations/2950091), PubMed: [37315560](http://www.uniprot.org/citations/37315560)). After binding to interleukin-1 associates with the coreceptor IL1RAP to form the high affinity interleukin-1 receptor complex which mediates interleukin-1-dependent activation of NF-kappa- B, MAPK and other pathways. Signaling involves the recruitment of adapter molecules such as TOLLIP, MYD88, and IRAK1 or IRAK2 via the respective TIR domains of the receptor/coreceptor subunits. Binds ligands with comparable affinity and binding of antagonist IL1RN prevents association with IL1RAP to form a signaling complex. Involved in IL1B-mediated costimulation of IFNG production from T-helper 1 (Th1) cells (PubMed: [10653850](http://www.uniprot.org/citations/10653850)).

Cellular Location

Membrane; Single-pass type I membrane protein. Cell membrane. Secreted

Tissue Location

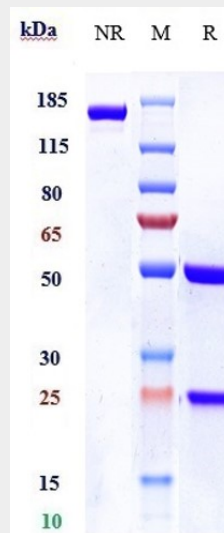
Expressed in T-helper cell subsets. Preferentially expressed in T-helper 1 (Th1) cells.

Anti-IL-1R1 / CD121a Reference Antibody (AMG 108) - Protocols

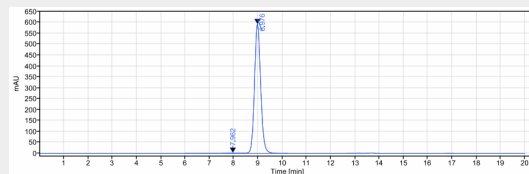
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-IL-1R1 / CD121a Reference Antibody (AMG 108) - Images



Anti-IL-1R1 / CD121a Reference Antibody (AMG 108) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-IL-1R1 / CD121a Reference Antibody (AMG 108) is more than 99.03%, determined by SEC-HPLC.