

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

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

Application	FC, E, FTA
Primary Accession	<a href="#">P14778</a>
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.**Storage**  
-80°C for 2 years under sterile conditions □ -20°C for 1 year under sterile conditions □ Avoid repeated freeze-thaw cycles.**Anti-IL-1R1 / CD121a Reference Antibody (AMG 108) - Protein Information****Name** IL1R1**Synonyms** IL1R, IL1RA, IL1RT1**Function**  
Receptor for IL1A, IL1B and IL1RN (PubMed:<a href="http://www.uniprot.org/citations/2950091" target="\_blank">2950091</a>, PubMed:<a href="http://www.uniprot.org/citations/37315560" target="\_blank">37315560</a>). 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:<a href="http://www.uniprot.org/citations/10653850" target="\_blank">10653850</a>).

#### Cellular Location

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

#### Tissue Location

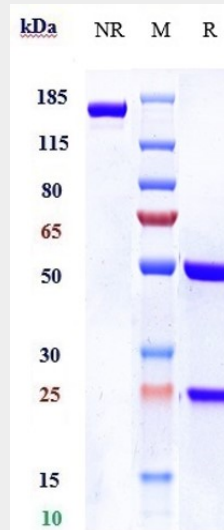
Expressed in T-helper cell subsets. Preferentially expressed in T-helper 1 (Th1) cells.

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

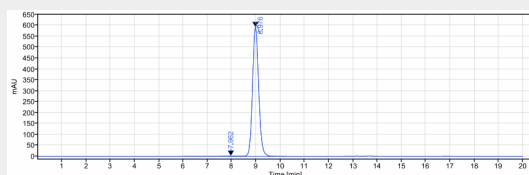
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

### 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.