

**Goat anti-IL6R / CD126 (isoform 1) Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF4338a

### Specification

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#### Goat anti-IL6R / CD126 (isoform 1) Antibody - Product Information

Application	<b>Pep-ELISA</b>
Primary Accession	<a href="#">P08887</a>
Other Accession	<a href="#">NP_000556.1</a>
Reactivity	<b>Human</b>
Host	<b>Goat</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>51548</b>

#### Goat anti-IL6R / CD126 (isoform 1) Antibody - Additional Information

**Gene ID** 3570

#### Other Names

IL6R; interleukin 6 receptor ; HGNC:6019; CD126; IL-6R-1; IL-6R-alpha; IL6RA; MGC104991 ; CD126 antigen; interleukin 6 receptor alpha subunit

#### Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

#### Immunogen

This antibody is expected to recognise isoform 1 only (NP\_000556.1)

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Goat anti-IL6R / CD126 (isoform 1) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### Goat anti-IL6R / CD126 (isoform 1) Antibody - Protein Information

**Name** IL6R ([HGNC:6019](#))

#### Function

Part of the receptor for interleukin 6. Binds to IL6 with low affinity, but does not transduce a signal (PubMed:<a href="http://www.uniprot.org/citations/28265003" target="\_blank">28265003</a>). Signal activation necessitate an association with IL6ST. Activation leads to the regulation of the immune response, acute-phase reactions and hematopoiesis (PubMed:<a href="http://www.uniprot.org/citations/30995492" target="\_blank">30995492</a>, PubMed:<a href="http://www.uniprot.org/citations/30995492" target="\_blank">30995492</a>).

[31235509](http://www.uniprot.org/citations/31235509)). The interaction with membrane-bound IL6R and IL6ST stimulates 'classic signaling', the restricted expression of the IL6R limits classic IL6 signaling to only a few tissues such as the liver and some cells of the immune system. Whereas the binding of IL6 and soluble IL6R to IL6ST stimulates 'trans- signaling'. Alternatively, 'cluster signaling' occurs when membrane- bound IL6:IL6R complexes on transmitter cells activate IL6ST receptors on neighboring receiver cells (Probable).

**Cellular Location**

[Isoform 1]: Cell membrane {ECO:0000250|UniProtKB:P22272}; Single-pass type I membrane protein [Soluble interleukin-6 receptor subunit alpha]: Secreted

**Tissue Location**

[Isoform 2]: Expressed in peripheral blood mononuclear cells and weakly found in urine and serum. 1%-20% of the total sIL6R in plasma is generated by alternative splicing (PubMed:28060820).

**Goat anti-IL6R / CD126 (isoform 1) Antibody - 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](#)

**Goat anti-IL6R / CD126 (isoform 1) Antibody - Images**