Product datasheet

Anti-IL-6R antibody ab128008

Overview

Product name
Anti-IL-6R antibody

Description
Rabbit polyclonal to IL-6R

Host species
Rabbit

Tested applications
Suitable for: WB, IHC-P, ELISA, ICC/IF

Species reactivity
Reacts with: Human

Immunogen
Synthetic peptide corresponding to Human IL-6R aa 253-267. Database link: P08887

Positive control
WB: Jurkat and 803 cell lysates. IHC-P: Human spleen tissue.

Properties

Form
Liquid

Storage instructions

Storage buffer
pH: 7.00
Preservative: 0.02% Sodium azide
Constituents: PBS, 50% Glycerol, 0.88% Sodium chloride (without Mg2+, Ca2+)

Purity
Affinity purified

Clonality
Polyclonal

Isotype
IgG

Applications

Our Abpromise guarantee covers the use of ab128008 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
</table>
Function
Part of the receptor for interleukin 6. Binds to IL6 with low affinity, but does not transduce a signal. Signal activation necessitate an association with IL6ST. Activation may lead to the regulation of the immune response, acute-phase reactions and hematopoiesis. Low concentration of a soluble form of IL6 receptor acts as an agonist of IL6 activity.

Tissue specificity
Isoform 2 is expressed in peripheral blood mononuclear cells and weakly found in urine and serum.

Sequence similarities
Belongs to the type I cytokine receptor family. Type 3 subfamily. Contains 1 fibronectin type-III domain. Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

Domain
The two fibronectin type-III-like domains, contained in the N-terminal part, form together a cytokine-binding domain. The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.

Post-translational modifications
A short soluble form may also be released from the membrane by proteolysis.

Cellular localization
Secreted and Basolateral cell membrane.

Images
Paraffin-embedded human spleen tissue stained for IL6R with ab128008 at 2.5 µg/ml in immunohistochemical analysis.
**Western blot - Anti-IL-6R antibody (ab128008)**

**All lanes**: Anti-IL-6R antibody (ab128008) at 1/200 dilution

**Lane 1**: Jurkat (human T cell leukemia cell line from peripheral blood) cell lysate

**Lane 2**: 803 cell lysate

**Predicted band size**: 52 kDa

---

**Immunocytochemistry/Immunofluorescence - Anti-IL-6R antibody (ab128008)**

This image is courtesy of an anonymous Abreview

**ab128008 staining IL6R in Human Muller cell line MIO-M1 by ICC/IF (Immunocytochemistry/Immunofluorescence).** Cells were permeabilized with 0.1% Triton X-100 and blocked with 5% serum for 30 minutes at 25°C. Samples were incubated with primary antibody (1/200) for 1 hour at 25°C. An Alexa Fluor® 488-conjugated Donkey anti-rabbit polyclonal was used as the secondary antibody (1/400).

---

**Please note**: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

---

**Our Abpromise to you: Quality guaranteed and expert technical support**

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit [https://www.abcam.com/abpromise](https://www.abcam.com/abpromise) or contact our technical team.
Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors