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Datasheet for ABIN7092952

## anti-IL-6 Receptor antibody (AA 20-365)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	IL-6 Receptor (IL6R)
Binding Specificity:	AA 20-365
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This IL-6 Receptor antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS)

#### Product Details

Immunogen:	Recombinant human IL6R(Leu20-Pro365) (ABIN6964085) produced by using human HEK293 cells
Clone:	DM152
Isotype:	IgG
Purification:	Purified from cell culture supernatant by affinity chromatography

#### Target Details

Target:	IL-6 Receptor (IL6R)
Alternative Name:	IL6R ( <a href="#">IL6R Products</a> )
Background:	Synonyms:CD126, gp80, IL-6R-1, IL-6RA, IL6Q, IL6RA, IL6RQ

## Target Details

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Description: This gene encodes a subunit of the interleukin 6 (IL6) receptor complex. Interleukin 6 is a potent pleiotropic cytokine that regulates cell growth and differentiation and plays an important role in the immune response. The IL6 receptor is a protein complex consisting of this protein and interleukin 6 signal transducer (IL6ST/GP130/IL6-beta), a receptor subunit also shared by many other cytokines. Dysregulated production of IL6 and this receptor are implicated in the pathogenesis of many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer. Alternatively spliced transcript variants encoding distinct isoforms have been reported. A pseudogene of this gene is found on chromosome 9.

Molecular Weight: 51.5KDa

Pathways: [JAK-STAT Signaling](#), [Autophagy](#), [Growth Factor Binding](#), [Cancer Immune Checkpoints](#)

## Application Details

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Application Notes: ELISA 1/5000-10000, Flow Cyt 1/100

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Reconstitute with deionized water

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization., 0.1 % Procline 300

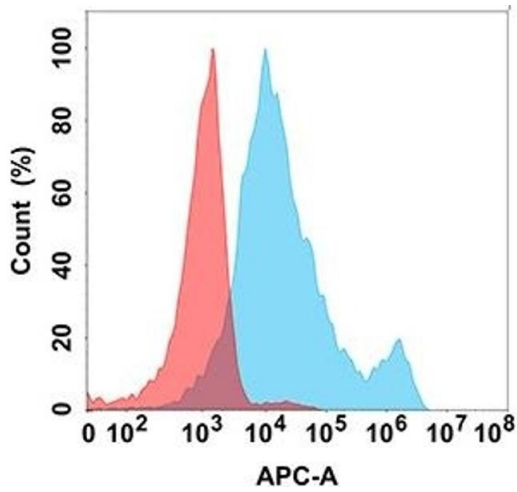
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

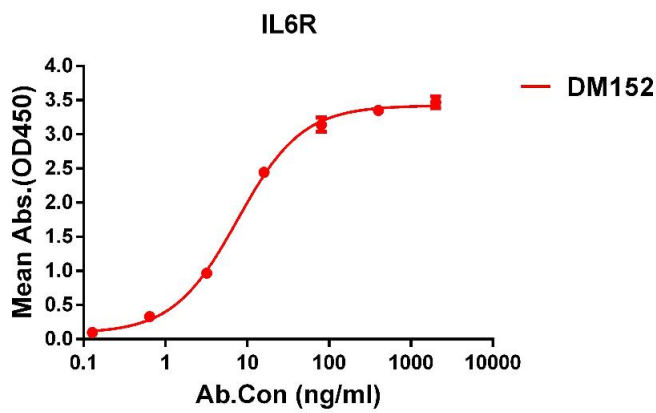
Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



### Flow Cytometry

**Image 1.** Flow cytometry analysis with Anti-IL-6R (DM152) on Expi293 cells transfected with human IL-6R (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).



### ELISA

**Image 2.** ELISA plate pre-coated by 1 µg/mL (100 µL/well) Human IL6R protein, His tagged protein ABIN6964085, ABIN7042425 and ABIN7042426 can bind Rabbit anti-IL6R monoclonal antibody (clone: DM152) in a linear range of 1-100 ng/mL.