

# Human TNF- $\alpha$ (Research Grade Adalimumab Biosimilar) Alexa Fluor® 405-conjugated Antibody

Recombinant Monoclonal Human IgG<sub>1</sub> Clone # Hu7  
Catalog Number: IC9677V

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human TNF- $\alpha$ in direct ELISAs. This non-therapeutic antibody uses the same variable region sequence as the therapeutic antibody Adalimumab. This product is for research use only.
<b>Source</b>	Recombinant Monoclonal Human IgG <sub>1</sub> Clone # Hu7
<b>Purification</b>	Protein A or G purified from cell culture supernatant
<b>Immunogen</b>	Human TNF- $\alpha$
<b>Conjugate</b>	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
<b>Intracellular Staining by Flow Cytometry</b>	0.25-1 $\mu\text{g}/10^6$ cells	Human peripheral blood mononuclear cells (PBMCs) treated with PMA and Ca <sup>2+</sup> ionomycin fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005).

## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## BACKGROUND

Adalimumab is a biosimilar directed against the extracellular domain of TNF-  $\alpha$ . This antibody can be used in flow cytometry or various assay formats to measure TNF-  $\alpha$  expression.

## PRODUCT SPECIFIC NOTICES

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