

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human IL-1 $\alpha$ /IL-1F1 in direct ELISAs. This non-therapeutic antibody uses the same variable region sequence as the therapeutic antibody Bermekimab. This product is for research use only.
<b>Source</b>	Recombinant Monoclonal Human IgG <sub>1</sub> Clone # Hu146
<b>Purification</b>	Protein A or G purified from cell culture supernatant
<b>Immunogen</b>	Human IL-1 $\alpha$ /IL-1F1
<b>Endotoxin Level</b>	<0.10 EU per 1 $\mu$ g of the antibody by the LAL method.
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 $\mu$ m filtered solution in PBS.

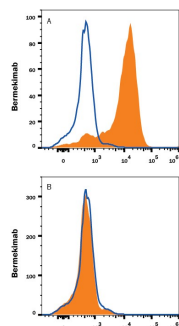
## APPLICATIONS

**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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Intracellular Staining by Flow Cytometry</b>	0.25 $\mu$ g/10 <sup>6</sup> cells	LPS-treated Human PBMC

## DATA

### Intracellular Staining by Flow Cytometry



**Detection of IL-1  $\alpha$ /IL-1F1 (Bermekimab) in LPS-treated Human PBMCs by Flow Cytometry.** Human peripheral blood mononuclear cells were (A) treated overnight with 1  $\mu$ g/mL LPS or (B) untreated, then stained with Human IL-1 $\alpha$ /IL-1F1 (Bermekimab) Monoclonal Antibody (Catalog # MAB10568, filled histogram) or unstained (open histogram), followed by Anti-Human IgG Allophycocyanin-conjugated Secondary Antibody (Catalog # F0135). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005). Staining was performed using our Staining Intracellular Molecules protocol.

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>• 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>• 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>• 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

Research grade Bermekimab is a biosimilar that binds and blocks binds to IL-1  $\alpha$ /IL-1F1. This product can be used in flow cytometry or various assay formats to block or measure IL-1  $\alpha$ /IL-1F1