

## Product datasheet

### anti-CD46 mouse monoclonal, 197-2B1, purified

#### Short overview

<b>Cat. No.</b>	691589
<b>Quantity</b>	1 ml (100 µg/ml)
<b>Concentration</b>	100 µg/ml

#### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG2a kappa
<b>Clone</b>	197-2B1
<b>Immunogen</b>	Stimulated human leucocytes
<b>Formulation</b>	PBS with 0.02% sodium azide
<b>UniprotID</b>	P15529 (Human)
<b>Synonym</b>	Membrane cofactor protein, TLX, Trophoblast leukocyte common antigen, CD antigen CD46, CD46, MCP, MIC10
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity chromatography
<b>Storage</b>	2-8°C
<b>Intended use</b>	Research use only
<b>Application</b>	FACS, ICC/IF, IHC
<b>Reactivity</b>	Human

#### Applications

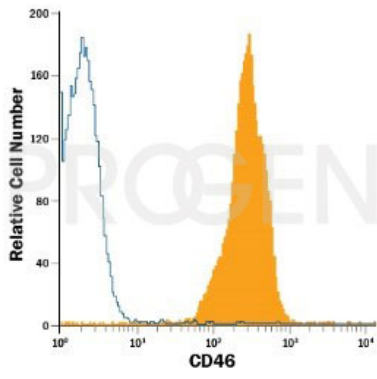
<b>Flow Cytometry (FACS)</b>	0.5-1.0 µg/million cells in 0.1 ml
<b>Immunocytochemistry (ICC)</b>	1:100-1:200 (0.5-1.0 µg/ml)
<b>Immunohistochemistry (IHC) - frozen</b>	1:50-1:100 (1-2 µg/ml)

#### Background

197-2B1 reacts with human CD46, a 52-58 kDa single chain type 1 transmembrane molecule. CD46 is a cofactor for the factor I regulation of complement components C3b and C4b and contains four N-terminal short consensus repeat (SCR) modules. It is strongly expressed on salivary gland ducts and kidney ducts and often increased on tumor cells. It also serves as a measles virus receptor, an adherence factor for group A Streptococcus pyogenes, and a cellular pilus receptor for pathogenic Neisseria. 197-2B1 has been clustered at the V1th HLDA Workshop.

Positive control: K562, U937, HL60, HeLa and Jurkat cells, and human lymphocytes. Lymph node and tonsil.

#### Product images



FACS with human peripheral blood lymphocytes (PBL)