

**CD4 Antibody (4B12)**

Tested Species Reactivity	Published Species Reactivity
Human (Hu)	Human (Hu) Mouse (Ms)

Tested Applications	Dilution *
Western Blot (WB)	1:10-1:100
Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:20
Flow Cytometry (Flow)	1:2
Published Applications	Dilution
Immunocytochemistry (ICC)	See publications
Immunohistochemistry (IHC)	See publications

\* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Details	
<b>Catalog Number:</b>	MA5-12259
<b>Size:</b>	500 µL
<b>Class:</b>	Monoclonal
<b>Type:</b>	Antibody
<b>Clone:</b>	4B12
<b>Host / Isotype:</b>	Mouse / IgG1, kappa
<b>Immunogen:</b>	Stimulated human leukocytes

Form Information	
<b>Form:</b>	Liquid
<b>Storage Buffer:</b>	tissue culture supernatant
<b>Preservative:</b>	0.09% sodium azide
<b>Storage Conditions:</b>	4° C

**Product Specific Information**

MA5-12259 targets CD4 in IHC (P), WB and FACS applications and shows reactivity with Human samples.

The MA5-12259 immunogen is stimulated human leukocytes.

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**General Information**

CD4, a single chain transmembrane glycoprotein, is found on a T cell subset (helper/inducer) representing 45% of peripheral blood lymphocytes. It is also present on 80% of thymocytes and at a lower level on monocytes. It is involved in recognition of antigen presented along with MHC class II by APCs. It serves as receptor for HIV.

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