Monoclonal neutralizing anti-HIV-1 gp41
Product reference: DDX1304

Description
HIV-1-gp41 is a subunit of the envelope protein complex of HIV. HIV-1-gp41 is responsible for the fusion between the viral and the cell membranes and thus represents a target for HIV vaccines. Trimeric Env is composed of gp120, which is non-covalently associated with the membrane-anchored fusion protein gp41. HIV-1 gp120 binding to CD4 and co-receptor (CCR5 or CXCR4) induces conformational changes, resulting in gp41 exposure and in the production of fusion-intermediate conformation of gp41 (HR1 and HR2). 3 neutralizing anti-gp41 monoclonal antibodies were selected from mice immunized with 293T cells stably transfected with a construct expressing HR1 plus HR2. (Dawood R et al, AIDS 2013, in press).

Clone: 402D9.14 (referred to as clone 1 in the article)
Species: mouse
Specificity: Linear epitope located in HR2
Immunogen: HR1-PID-HR2-transfected HEK 293 cells (HIV-1, 92BR025, Clade C)
Isotype: IgG1
Purification: QMA Hyper D ion exchange chromatography
Formulation/size: Purified: 100 µg in 200 µl / 50 µg in 100 µl Tris-NaCl pH 8
Coupled: 100 µg in 200 µl / 50 µg in 100 µl PBS 50% glycerol

Available formats:

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<tr>
<th>Reference N°</th>
<th>Format</th>
<th>Application tested</th>
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Other clones available on request

Applications tested:

Neutralizing activity

*Other clones were neutralized (see article)

Usage recommendation:
*This monoclonal antibody may be used between 5-25 µg/ml.
*Optimal dilution should be determined by each laboratory for each application.
*Coupled antibody: to maintain RT before use.

Aliquot storage conditions:
-20°C. KEEP CONTENTS STERILE: no preservative.

Purified antibodies: avoid repeated freeze/thaw cycles.
Coupled antibodies: glycerol protects from freezing.

Not for use in Humans. For research purpose only
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