**Product datasheet**

**HIV gp41 L peptide ab43148**

**Description**

<table>
<thead>
<tr>
<th>Product name</th>
<th>HIV gp41 L peptide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological activity</td>
<td>Immunoreactive with all sera of HIV type O infected individuals.</td>
</tr>
<tr>
<td>Animal free</td>
<td>No</td>
</tr>
<tr>
<td>Nature</td>
<td>Synthetic</td>
</tr>
</tbody>
</table>

**Specifications**

Our Abpromise guarantee covers the use of ab43148 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications**

- Western blot
- ELISA

**Form**

- Liquid

**Additional notes**

- Immunoreactive with all sera of HIV type O infected individuals.

**Preparation and Storage**

**Stability and Storage**

Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

**General Info**

**Relevance**

The transmembrane protein gp41 (TM) acts as a class I viral fusion protein. Under the current model, the protein has at least 3 conformational states: pre-fusion native state, pre-hairpin intermediate state, and post-fusion hairpin state. During viral and target cell membrane fusion, the coiled coil regions (heptad repeats) assume a trimer-of-hairpins structure, positioning the fusion peptide in close proximity to the C-terminal region of the ectodomain. The formation of this structure appears to drive apposition and subsequent fusion of viral and target cell membranes. Membranes fusion leads to delivery of the nucleocapsid into the cytoplasm.

**Cellular localization**

- Cell membrane

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