

Reference Protocols

Irreproducibility of results is a major issue in the scientific community. Numerous factors influencing the failure to reproduce other's experiments have been identified. One issue is the lack of original protocols.

We strive for maximum transparency. Therefore we provide a Reference Protocol for every HistoSure product application we tested in-house. However, to achieve the highest specific signal and lowest non-specific background signal, customers may adapt experimental conditions individually. Please also refer to our IHC-P Guidelines about [antigen retrieval](#), [primary antibody incubation](#) and [detection techniques](#) and to our general protocols on the [Synaptic Systems main page](#).

The screenshot displays the product page for CD 4 - HS-360 117. The page is divided into several sections:

- Product Details:**
 - CD 4 - HS-360 117**
 - A-T-cell surface glycoprotein**
 - Monoclonal rat purified IgG**
 - Cat. No. HS-360 117**
 - Quantity:** 200 µl
 - Price:** \$415,-
 - Applications:**
 - WB: 1 : 1000 [gallery](#)
 - IHC: 1 : 100 (see remarks) [gallery](#)
 - IHC-P/FFPE: 1 : 100 [gallery](#)
 - Clone:** 7B9G02
 - Subtype:** IgG2b (κ light chain)
 - Immunogen:** Recombinant protein corresponding to AA 27 to 394 from mouse CD4 (UniProt ID: P06332)
 - Reactivity:**
 - Reacts with: mouse (P06332),
 - No signal: human (P01730),
 - Other species not tested yet.
 - Specificity:** Specific for CD 4
 - Remarks:** IHC: Heat-mediated antigen retrieval (in citrate buffer pH 6) is required for immunohistochemical stainings.
 - Data sheet:** [hs-360_117.pdf](#)
- Image Gallery:**
 - Indirect immunostaining of formalin-fixed paraffin-embedded mouse spleen section with monoclonal rat anti-CD4 (cat. no.: HS-360 117; red) and rabbit polyclonal (cat. no.: HS-413 103; green) demonstrating the co-localization in CD4+ T-cells (overlay: yellow). Nuclei have been visualized by DAPI staining (blue).**
 - Image Grid:** A grid of images showing various staining results for CD4, including WB, IHC, IHC-P, and IHC-P/FFPE.
- Background:** A section providing background information on the product.
- Protocols:** A section listing specific protocols for the product, including:
 - IHC-P:**
 - IHC-P Anti CD4
 - WB:**
 - WB Anti CD4
 - IHC:**
 - IHC Anti CD4
- Other products for this target:** A button to view other products for the same target.

A large red arrow points from the 'Protocols' section to the 'Reference protocols for HistoSure products can be downloaded as PDF-document from the product pages respectively.' text.

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