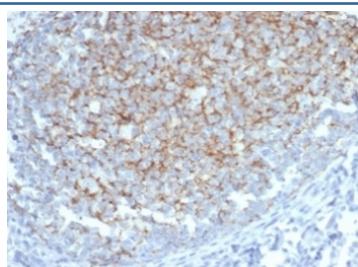


Interferon alpha 1 Antibody / IFNA1 [clone IFNA/6689] (V8790)

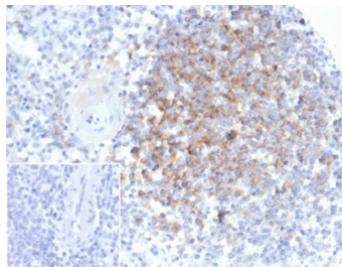
| Catalog No. | Formulation | Size |
|----------------|---|--------|
| V8790-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V8790-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V8790SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

Bulk quote request

| | |
|--------------------|--|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Host | Mouse |
| Clonality | Monoclonal (mouse origin) |
| Isotype | Mouse IgG1, kappa |
| Clone Name | IFNA/6689 |
| Purity | Protein A/G affinity |
| UniProt | P01562 |
| Localization | Cytoplasm, Secreted |
| Applications | Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml |
| Limitations | This Interferon alpha 1 antibody is available for research use only. |



IHC staining of FFPE human tonsil tissue with Interferon alpha 1 antibody (clone IFNA/6689) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human spleen tissue with Interferon alpha 1 antibody (clone IFNA/6689) at 2ug/ml. Negative control inset: PBS instead of primary antibody to control for secondary binding. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

This MAb is specific for human interferon alpha 1 and does not cross react with human interferon alpha 2. Interferons are widely used therapeutic agents because of their anti-tumor and anti-viral effects and because of their modulatory effects on the immune system. These cytokines produce their effects by binding to the Type 1 Interferon- Receptor (IFNAR1). Down regulation of this receptor plays a key role in determining the magnitude and duration of cytokine signaling. This down regulation is influenced by phosphorylation of Serine 535 and 539 in the IFNAR1. Produced by macrophages, IFN-alphas have antiviral activities. Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase

Application Notes

Optimal dilution of the Interferon alpha 1 antibody should be determined by the researcher.

Immunogen

Recombinant human IFNA1 protein was used as the immunogen for the Interferon alpha 1 antibody.

Storage

Aliquot the Interferon alpha 1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.