

# Fucoidan

## Research References and Clinical Studies

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Fucoidan is cited in over 800 studies found in the PubMed database and these studies have proven many of fucoidan's benefits. We provide you with the PubMed direct search engine to obtain additional information about fucoidan and its benefits. Click this link to visit the pub med files:

<http://www.ncbi.nlm.nih.gov/sites/entrez>

Fucoidan is also cited in over 80 studies found in Oxford Journals database. Click the following links to visit the Oxford Journals and Science Direct Sites to view clinical papers abstracts on fuocidan:

<http://services.oxfordjournals.org/cgi/searchresults?fulltext=FUCOIDAN+&x=9&y=8> and <http://services.oxfordjournals.org/cgi/searchresults?fulltext=FUCOIDAN+&x=9&y=8>

### 1. Fucoidan Ingestion Increases the Expression of CXCR4 on Human CD34<sup>+</sup> Cells

#### **Abstract:**

#### *Results:*

*Following ingestion of fucoidan, CD34<sup>+</sup> cells increased significantly in the PB from 1.64 to 1.84 cells/ $\mu$ L after 4 days. The proportion of CD34<sup>+</sup> cells that expressed CXCR4 increased from 45 to 90% after 12 days, the plasma level of SDF-1 increased from 1978 to 2010 pg/mL, and IFN- $\gamma$  level increased from 9.04 to 9.89 pg/mL.*

[http://www.exphem.org/article/S0301-472X\(07\)00115-4/abstract](http://www.exphem.org/article/S0301-472X(07)00115-4/abstract)

### 2. Pubmed Papers on Fuocidan

<http://www.ncbi.nlm.nih.gov/pubmed?term=apoptosis%20fucoidan>

### 3. Benefits of Fuocidan – Lance Armstrong's Website - Livestrong

<http://www.livestrong.com/article/327134-what-are-the-benefits-of-fucoidan/>

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#### 4. Fucoidan Induces Apoptosis of Human T-cell Leukemia virus Type 1-infected T-cell Lines and Primary Adult T-cell Leukemia Cells.

**Abstract:**

*Our results indicate that fucoidan is a potentially useful therapeutic agent for patients with ATL (Adult T-cell leukemia).*

<http://www.bestwebmaster.com/AHD/FucoidanClinicalStudy11.html>

#### 5. Fucoidan inhibits cellular and neurotoxic effects of beta-amyloid (A beta) in rat cholinergic basal forebrain neurons.

**Abstract:**

*These results show that Fucoidan is able to block A beta-induced reduction in whole-cell currents in basal forebrain neurons and has neuroprotective effects against A beta-induced neurotoxicity in basal forebrain neuronal cultures.*

<http://www.ncbi.nlm.nih.gov/pubmed/15926913>

**Abstract:**

*The deposition of beta-amyloid protein (A beta), a 39-43 amino acid peptide, in the brain and a loss of cholinergic neurons in the basal forebrain are pathological hallmarks of Alzheimer's disease (AD). Seaweeds consumed in Asia contain Fucoidan, a sulfated polysaccharide. Fucoidan has been known to exhibit various biological actions, such as an anti-inflammatory and antioxidant action.*

#### 6. Fucoidan Extremely Effective as Anti HSV1 Agent

**Abstract:**

*The results we obtained during my visit went in favour of fucoidan as an extremely effective antiHSV1 agent, which could perhaps be linked to lower risk for HSV1 infection and Alzheimer's disease especially in Asian countries, where several species of brown alga rich in fucoidan are popular foods.*

<http://www.ibro.info/Common/Docs/Files/5269/Tea%20Speljko%20REPORT.pdf>